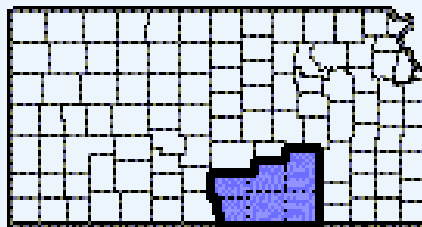


WORKFORCE PLANNING GUIDE & WAGE SURVEY



**Local
Area IV**

2002 EDITION



**Kansas Department of Human Resources
Labor Market Information Services**

The Honorable Bill Graves
Governor
State of Kansas

Richard E. Beyer, Secretary
Kansas Department of Human Resources

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Mission Statement

The mission of Labor Market Information Services
is to provide the customers
of the Kansas workforce development system
with timely, accurate and relevant labor market information
that will support business and job growth
in an increasingly competitive global economy.

WORKFORCE PLANNING GUIDE

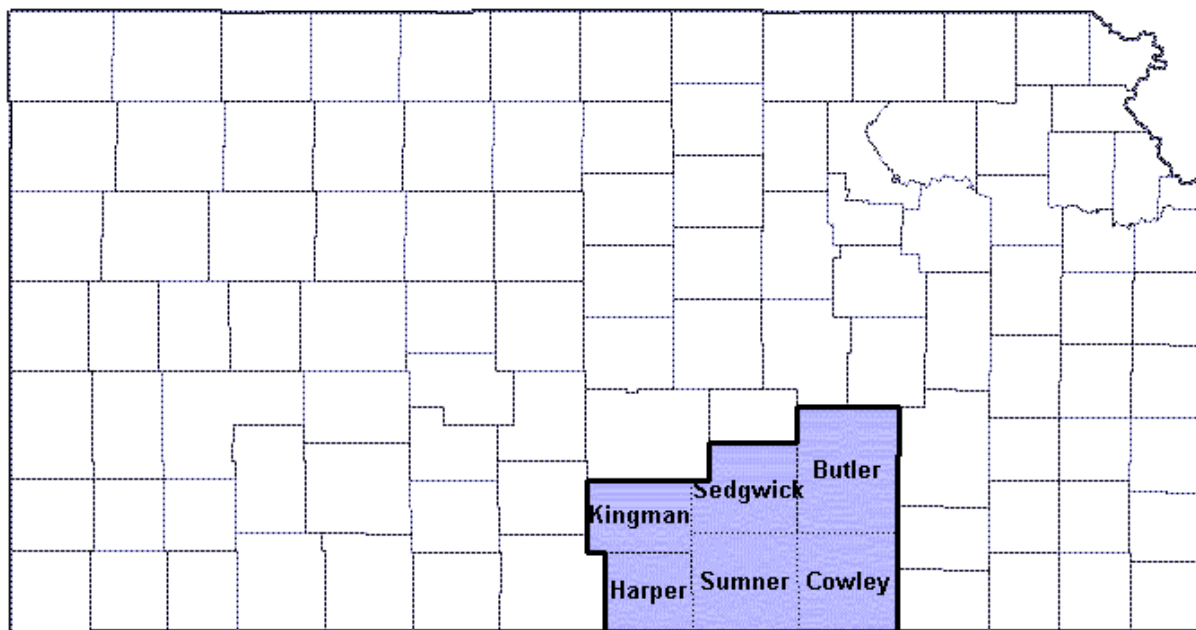


The 2002 Edition of the *Workforce Planning Guide and Wage Survey* is the second annual publication of labor market information for Local Area IV.

Labor Market Information Services (LMIS) of the Kansas Department of Human Resources (KDHR) has been involved in the process of providing Kansas workforce development customers with timely, relevant and accurate information to help guide businesses and individuals with decision making. This publication was designed as a result of the

Workforce Investment Act (WIA) of 1998. WIA created an opportunity to build a collaborative employment statistics system, capable of supporting the economic and workforce development goals of the state.

The Workforce Planning Guide consolidates the major elements of labor market information for Local Area IV into one document that will be published annually.



Butler
Cowley

Harper
Kingman

Sedgwick
Sumner



Local Area IV 2000 Population and 10 Year Change

The State of Kansas is divided into five Local Areas. Local Area IV consists of six counties in the south central part of Kansas. Counties in this area border Oklahoma.

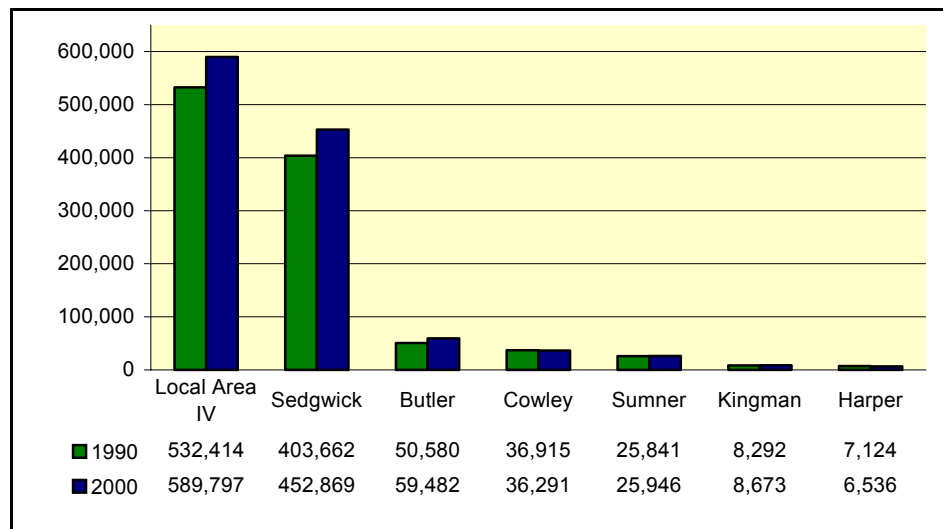
The six counties of Local Area IV cover approximately 6,402 square miles, almost eight percent of the state. It is the fourth largest local area in the state.

The total population in this area is 589,797 according to the 2000 Census. This is a growth of 10.8 percent or 57,383 over the last ten years. It is the third most populated area in the state.

Sedgwick County is the most populated county in Kansas. Butler County is ninth and Cowley is 13th in the state.

The population in Sedgwick County represents almost 77 percent of the total population of Area IV.

The population in four counties within Area IV grew during the ten-year period from 1990 to 2000.



Source: U.S. Census Bureau. 2000 Census.

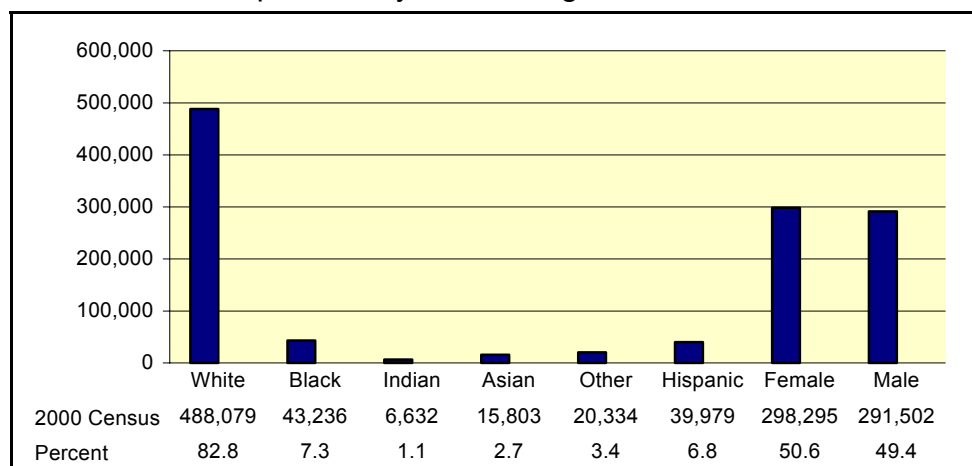
Sedgwick County shows the largest jump in population, with a growth of 49,207, up 12.2 percent.

Two counties experienced a decline in population over the ten-year period. The population in Cowley County decreased by 624 and Harper by 588.

Wichita is the most populated city in the state. It is the home of 344,284 people, over 58 percent of the population in Area IV.

Derby is also listed among the top 25 most populated cities in the state.

Local Area IV Population by Ethnic Origin and Gender



Source: U.S. Census Bureau. 2000 Census.

Note: Some people may fall into more than one category, therefore, the sum of the categories will not add up to equal the total of all persons.

Local Area IV 10 Largest Cities

| City - County | Population |
|------------------------|------------|
| Wichita - Sedgwick | 344,284 |
| Derby - Sedgwick | 17,807 |
| Winfield - Cowley | 12,206 |
| El Dorado - Butler | 12,057 |
| Arkansas City - Cowley | 11,963 |
| Wellington - Sumner | 8,647 |
| Haysville - Sedgwick | 8,502 |
| Augusta - Butler | 8,423 |
| Andover - Butler | 6,698 |
| Bel Aire - Smith | 5,836 |

Source: U.S. Census Bureau. 2000 Census.

The civilian labor force is an estimate of the number of area residents who either have a job or who are unemployed, and have looked for a job during the last four weeks. The current population survey (CPS), conducted by the U. S. Census Bureau, is used to determine these estimates.

The unemployment rate is determined by dividing the number of unemployed by the civilian labor force and expressing it as a percent.

Over 77 percent of the civilian labor force within Area IV is in Sedgwick County. Sedgwick County has the second largest civilian labor force in Kansas, behind Johnson County. Butler County is seventh in the state.

The 2001 annual averages indicate that the unemployment rate for all six counties within Area IV rank below the statewide average. However, the unemployment rate in the city of Wichita was higher, with an average of 4.6 percent.

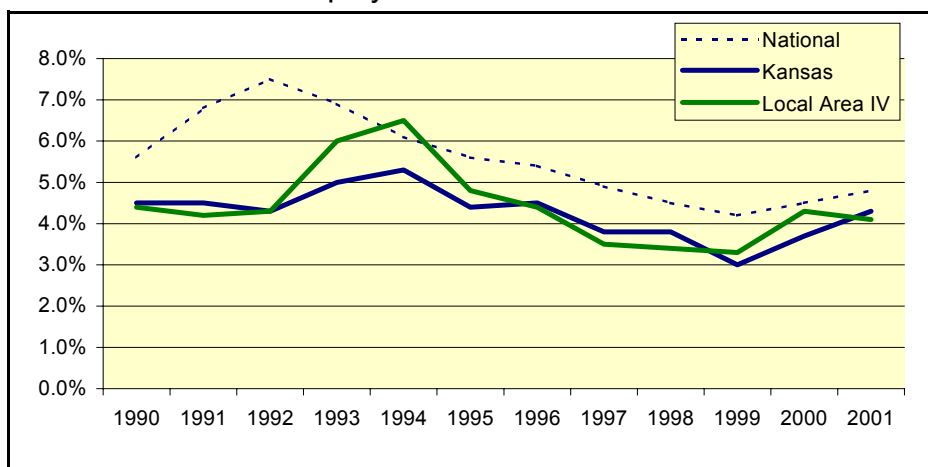
Local Area IV Civilian Labor Force

| Civilian Labor Force | Area IV |
|-----------------------------|----------------|
| Civilian Labor Force | 298,568 |
| Employment | 286,203 |
| Unemployment | 12,365 |
| Unemployment Rate | 4.1% |

Source: Labor Market Information Services, Kansas Department of Human Resources. 2001 annual averages.

Additional civilian labor force data for specific counties and cities can be found on our Web site at <http://laborstats.hr.state.ks.us>.

Local Area IV Unemployment Rate 1990-2001



Source: Labor Market Information Services, Kansas Department of Human Resources and the Bureau of Labor Statistics. Annual averages.



The "effective labor force" is a term used by the Docking Institute of Public Affairs in their recent statewide survey.

The Kansas Labor Force Survey was conducted at the request of the Kansas Department of Human Resources to determine the extent of underemployment in the state.

This research extended our understanding of underemployment and provided valuable information on the potential workforce, which is not included in the standard Bureau of Labor Statistics definition. This group, labeled non-CLF available, includes students, military, retirees and long-term unemployed who might seek employment if the opportunity was presented.

Local Area IV Effective Labor Force

| Labor Force | Area IV |
|------------------------------|----------------|
| Effective Labor Force | 319,557 |
| Civilian Labor Force* | 306,499 |
| Non-CLF Available | 13,058 |

Source: Docking Institute of Public Affairs, Fort Hays State University. *The Kansas Labor Force Survey: The Available Labor Pool*. Published 2002.

* September 2001 average.

The civilian labor force and the unemployment rate are estimated monthly and often used to measure the health of the economy. However, full employment, or a low unemployment rate, does not necessarily mean there is a shortage of available labor.

The available labor pool represents members of the civilian labor force or potential members of the civilian labor force who indicate they are actively seeking new employment or would consider a new job for the right opportunity.

Results from *The Kansas Labor Force Survey* indicate that almost 63 percent of the effective labor force in Local Area IV are considered to be in the available labor pool.

In reality, not all of the available labor pool is actively seeking new job opportunities. Instead, the available labor pool represents those that would consider a different job opportunity given their employment expectations. These expectations are different for each individual, however there are many factors that are common among those willing to consider other employment opportunities.

Local Area IV Available Labor Pool

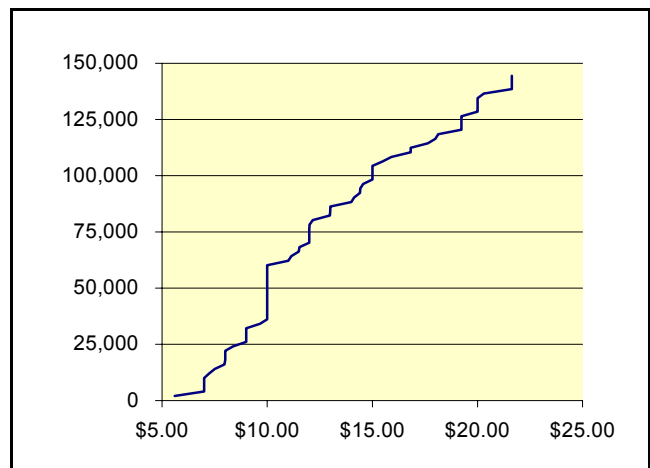
| Labor Pool Groups | Area IV |
|---------------------------------|----------------|
| Available Labor Pool | 200,682 |
| Employed-right opportunity | 140,286 |
| Employed-looking | 31,317 |
| Not Employed-looking | 23,008 |
| Part-time-looking for full time | 6,072 |
| Non-available | 118,874 |
| Employed - not looking | 118,874 |

Source: Docking Institute of Public Affairs, Fort Hays State University. *The Kansas Labor Force Survey: The Available Labor Pool*. Published 2002.

Results from the *Kansas Labor Force Survey* indicate that well over 90 percent of the available labor pool in Kansas stated that an increase in salary would be very important in their decision to change jobs. Respondents were asked what salary they would need to consider a job opportunity. These results were used to estimate the number of people in the available labor pool that were willing to accept various wage levels.

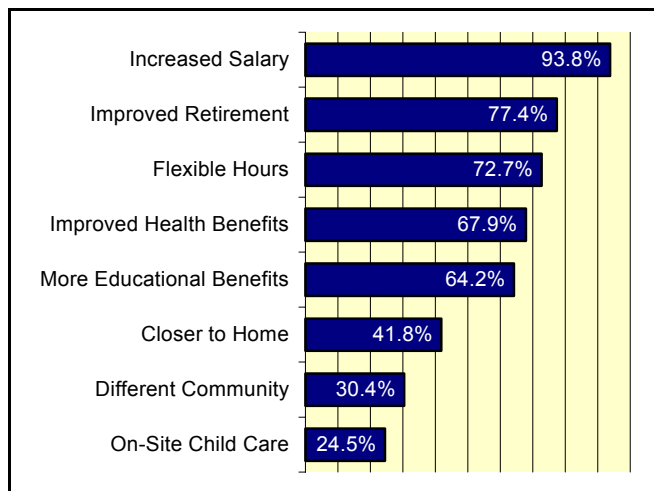
The wage demands in Local Area IV ranged from \$5.60 an hour to \$21.63. The important wage thresholds that enlarge the available labor pool are at \$7.00, \$10.00 and \$15.00.

Local Area IV Wage Demands



Source: Docking Institute of Public Affairs, Fort Hays State University. *The Kansas Labor Force Survey: The Available Labor Pool*. Published 2002.

Kansas Available Labor Pool Important Benefits



Source: Docking Institute of Public Affairs, Fort Hays State University. *The Kansas Labor Force Survey: The Available Labor Pool*. Published 2002.

The survey results also identified the benefits that attract workers in the available labor pool to a new job opportunity. The statewide estimates indicate that, in addition to salary, the available labor force highly weighs retirement, flexible hours and health benefits when considering another job opportunity.

Local Area IV Labor Supply by Occupational Group

| Occupational Groups | Labor | Percent |
|-----------------------------|----------------|--------------|
| Available Labor Pool | 200,682 | 100.0 |
| Benchwork | 77,664 | 38.7 |
| Sales | 73,048 | 36.4 |
| Admin. Support | 67,429 | 33.6 |
| Processing | 62,211 | 31.0 |
| Machine Trades | 58,599 | 29.2 |
| Agriculture | 52,779 | 26.3 |
| Services | 51,174 | 25.5 |
| Construction | 43,949 | 21.9 |

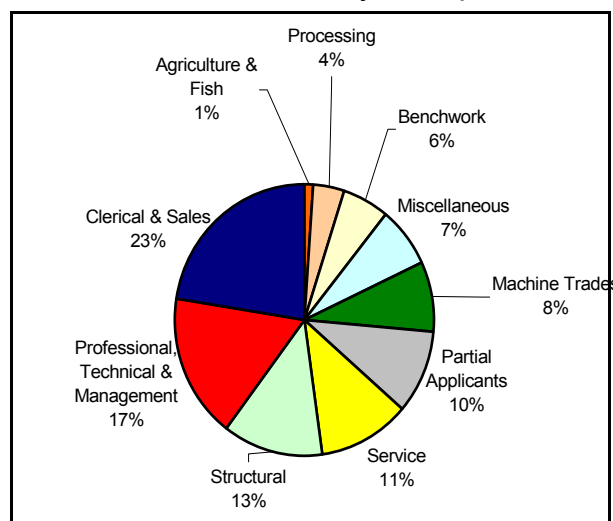
Source: Docking Institute of Public Affairs, Fort Hays State University. *The Kansas Labor Force Survey: The Available Labor Pool*. Published 2002.

Note: Some people may be available for employment in more than one group, therefore, the sum of the groups will not equal the total of the available labor pool.

The labor supply by occupational group represents estimates from *The Kansas Labor Force Survey* who:

1) would consider an employment opportunity in that occupational group, even if it meant switching from their current occupation, or 2) who are currently employed in that occupational group and looking for another job in that same group. Although the occupational groups represent a broad category of occupations, this data shows a more definite picture of the percentage of the labor pool in Area IV who are possibly available for certain types of occupations.

Local Area IV Active Jobseekers by Occupation



Source: Job Service Automated Reporting System, Kansas Department of Human Resources. 2001 Average. These are the jobseekers that are registered with a local Job Service/Workforce Center.

Partial Applicants: These applicants were not occupationally classified.

In 2001, there was a monthly average of 8,918 jobseekers in Local Area IV that were registered with the Kansas Job Service/Workforce Centers. However, there are other people available for employment who are not registered with this service.

Additional statistics indicate that there were approximately 40,494 claims filed in Area IV for unemployment benefits in 2001. This number represents over 25 percent of the new and emerging unemployment in the state.



Local Area IV Kansas Covered Employment and Wages by Industry

| Industry | Statewide Employment | Area IV Employment | Area IV Percent of Statewide | Statewide Average Wages | Area IV Average Wages | Area IV Compared to Statewide |
|---------------------------------|----------------------|--------------------|------------------------------|-------------------------|-----------------------|-------------------------------|
| Total | 1,321,092 | 293,477 | 22.2 | \$ 29,802 | \$ 31,929 | \$ 2,127 |
| Agriculture | 16,581 | 1,785 | 10.8 | \$ 22,650 | \$ 19,058 | -\$ 3,592 |
| Mining | 7,316 | 1,463 | 20.0 | \$ 38,077 | \$ 45,300 | \$ 7,223 |
| Construction | 64,862 | 14,672 | 22.6 | \$ 32,942 | \$ 30,712 | -\$ 2,230 |
| Manufacturing | 207,849 | 73,663 | 35.4 | \$ 38,394 | \$ 46,642 | \$ 8,248 |
| Transportation/Public Utilities | 82,431 | 11,472 | 13.9 | \$ 44,367 | \$ 34,301 | -\$ 10,066 |
| Wholesale Trade | 75,548 | 15,343 | 20.3 | \$ 40,596 | \$ 40,564 | -\$ 32 |
| Retail Trade | 242,937 | 49,600 | 20.4 | \$ 16,116 | \$ 15,527 | -\$ 589 |
| Finance/Insurance/Real Estate | 64,791 | 13,130 | 20.3 | \$ 38,708 | \$ 34,938 | -\$ 3,770 |
| Services | 325,773 | 73,410 | 22.5 | \$ 27,127 | \$ 27,071 | -\$ 56 |
| Government | 232,999 | 38,936 | 16.7 | \$ 28,393 | \$ 29,577 | \$ 1,184 |

Source: Labor Market Information Services, Kansas Department of Human Resources. Twelve month average for the third quarter 2000 through the second quarter 2001.

Note: Columns do not add due to rounding.

Employment and wage data are extracted from tax documents submitted by employers subject to the Unemployment Security Law. While this is not a measure of all the employment in the state, these reports include the most accurate employment and wage data available.

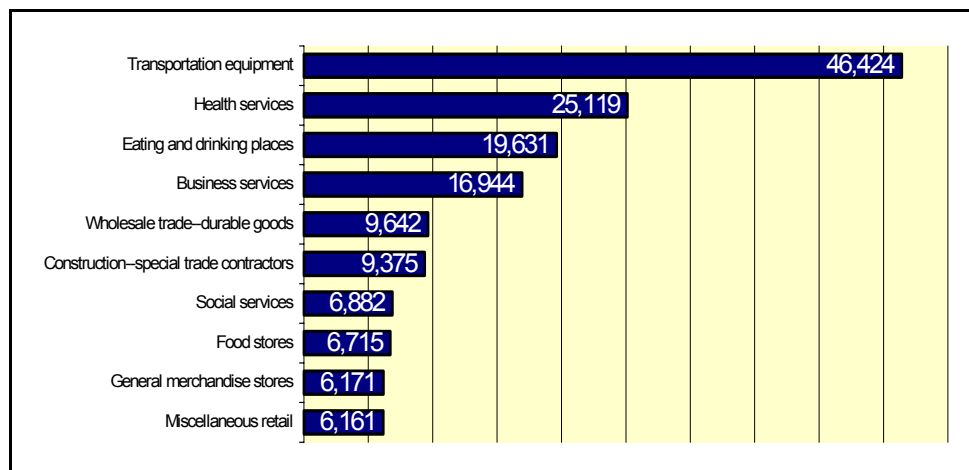
Some groups who are not included in covered employment are: self-employed and unpaid family workers, certain non-profit and membership organizations, railroad employment and some government officials.

Over 25 percent, or 73,663, of the people employed in Area IV have jobs in the manufacturing industry. Services, with employment of 73,410, also top the 25 percent mark.

The average wages for government, manufacturing and mining were found to be higher in Area IV than the state averages.

Four of the top ten groups by employment are in the retail trade industry, while three are in the services industry.

Local Area IV Top 10 Industry Groups by Employment



Source: Labor Market Information Services, Kansas Department of Human Resources. Twelve month average for the third quarter 2000 through the second quarter 2001.

Local Area IV Major Employers

| Employer | City |
|---------------------------------|---------------|
| GE Engine Service Co | Arkansas City |
| Butler County Community College | El Dorado |
| Boeing | Wichita |
| Cessna | Wichita |
| Coleman | Wichita |
| Intrust Financial Corporation | Wichita |
| Koch Industries | Wichita |
| Learjet | Wichita |
| Raytheon | Wichita |
| US Post Office | Wichita |
| Via Christi | Wichita |
| Wesley Medical Center | Wichita |
| Wichita State University | Wichita |

Source: Info USA, America's Labor Market Information System, 2001, 2nd Edition.

A mass layoff is defined as a layoff of at least 31-days duration that involves 50 or more individuals from a single establishment, who filed initial claims for unemployment insurance during a consecutive five-week period.

Six firms, all located in Sedgwick County, experienced mass layoffs during 2001, affecting 3,819 workers in Area IV. Ninety-five percent of the mass layoffs occurred in the aircraft industry.

Six of the major employers in this area are in the manufacturing industry, with five manufacturing equipment used for transportation.

Four of the major employers are in the services industry, with two in health services and two in educational services.

Employment by industry illustrates the projected changes in industry divisions during the ten-year period from 1998 to 2008.

Total employment in Local Area IV is expected to grow 15.7 percent during this ten-year period, from 340,740 in 1998 to 394,310 in 2008.

The services industry will lead in job creation within this area, growing by 23.4 percent between 1998 and 2008, adding 24,310 new jobs.

The construction industry is also expected to experience a large percentage growth at 23.2 percent, adding 3,680 new jobs.

Agriculture is expected to experience a decline with a 10.1 percent decrease in employment, dropping 640 jobs. In addition, mining will also decrease by 18.0 percent over the ten-year period.

Local Area IV Employment by Industry 1998-2008

| Industry | Average Annual Employment | | Change | |
|---|---------------------------|----------------|---------------|-------------|
| | 1998 | 2008 | Actual | Percent |
| Total | 340,740 | 394,310 | 53,570 | 15.7 |
| Agriculture | 6,330 | 5,690 | -640 | -10.1 |
| Mining | 1,610 | 1,320 | -290 | -18.0 |
| Construction | 15,830 | 19,510 | 3,680 | 23.2 |
| Manufacturing | 79,930 | 86,600 | 6,670 | 8.3 |
| Transportation, Communication, Public Utilities | 13,610 | 15,890 | 2,280 | 16.8 |
| Trade, Total | 70,540 | 82,660 | 12,120 | 17.2 |
| Wholesale Trade | 17,150 | 19,580 | 2,430 | 14.2 |
| Retail Trade | 53,390 | 63,080 | 9,690 | 18.1 |
| Finance, Insurance., Real Estate | 11,560 | 13,230 | 1,670 | 14.4 |
| Services | 103,690 | 128,000 | 24,310 | 23.4 |
| Government | 15,220 | 16,760 | 1,540 | 10.1 |
| Self Employed & Unpaid Family Workers. | 20,900 | 22,990 | 2,090 | 10.0 |
| Private Households | 1,520 | 1,660 | 140 | 9.2 |

Source: Labor Market Information Services, Kansas Department of Human Resources. This data is for the South Central Kansas region from the Kansas Occupational Outlook 2008, which includes Harvey County.



Local Area IV
Average Annual Employment and Job Openings
1998-2008

| Occupational Category | Average Annual Employment | | Annual Job Openings | | |
|--|---------------------------|----------------|---------------------|-------------------|--------------|
| | 1998 | 2008 | Total | Growth or Decline | Replacements |
| Total | 340,740 | 394,310 | 13,180 | 5,280 | 7,900 |
| Managerial & Administrative | 23,800 | 27,760 | 840 | 410 | 430 |
| Professional, Paraprofessional & Technical | 74,630 | 90,190 | 2,910 | 1,510 | 1,400 |
| Sales & Related | 36,120 | 43,250 | 1,760 | 730 | 1,030 |
| Clerical and Administrative Support | 50,140 | 54,800 | 1,530 | 500 | 1,030 |
| Service | 55,950 | 66,470 | 2,860 | 1,070 | 1,790 |
| Agriculture, Forestry, Fishing & Related | 6,440 | 6,160 | 120 | -40 | 160 |
| Production, Construction, Operating, Maintenance & Material Handling | 93,660 | 105,680 | 3,160 | 1,100 | 2,060 |

Source: Labor Market Information Services, Kansas Department of Human Resources. This data is for the South Central Kansas region from the Kansas Occupational Outlook 2008, which includes Harvey County.

Job openings are created in two ways. Either, new jobs are created, or existing jobs are vacated through retirement or other forms of separation.

Cashiers are at the top of the list as an occupation adding the most jobs, with a growth of 1,950 new jobs.

Average annual job openings resulting from growth are determined by dividing total growth over the 1998 - 2008 period by ten. Replacement job openings due to workers retiring are based on census data. Combined, these two types of job openings equal total job openings. Job openings from turnover and promotions are not included.

Registered nurses and nursing aids/orderlies/attendants lead the list as occupations with the largest percentage growth, each growing by more than 25.0 percent over the ten-year period.

Local Area IV
Top 10 Occupations Adding the Most Jobs
1998-2008

Between 1998 and 2008, an estimated 13,180 new job openings are expected annually.

The largest number of average annual job openings is reflected in the production, construction, operating, maintenance and material handling occupational group.

The lowest level of new job openings is in the group of agriculture, forestry and fishing occupations.

| Occupational Title | Average Annual Employment | | Change | |
|--------------------------------------|---------------------------|---------------|---------------|-------------|
| | 1998 | 2008 | Actual | Percent |
| Total | 59,270 | 71,610 | 12,340 | 20.8 |
| Cashiers | 7,820 | 9,770 | 1,950 | 24.9 |
| General Managers & Top Executives | 9,040 | 10,690 | 1,650 | 18.3 |
| Registered Nurses | 5,250 | 6,720 | 1,470 | 28.0 |
| Retail Salespersons | 8,280 | 9,730 | 1,450 | 17.5 |
| Office Clerks, General | 7,020 | 8,180 | 1,160 | 16.5 |
| Waiters & Waitresses | 4,870 | 5,870 | 1,000 | 20.5 |
| Teachers, Secondary School | 3,850 | 4,810 | 960 | 24.9 |
| Marketing/Sales Supervisors | 4,530 | 5,440 | 910 | 20.1 |
| Food Prep/Service Workers, Fast Food | 5,170 | 6,070 | 900 | 17.4 |
| Nursing Aides/Orderlies/Attendants | 3,440 | 4,330 | 890 | 25.9 |

Source: Labor Market Information Services, Kansas Department of Human Resources. This data is for the South Central Kansas region from the Kansas Occupational Outlook 2008, which includes Harvey County.

Local Area IV Fastest Growing Occupations 1998-2008

| Occupational Title | Average Annual Employment | | Change | |
|--|---------------------------|---------------|--------------|-------------|
| | 1998 | 2008 | Actual | Percent |
| Total | 10,450 | 14,880 | 4,430 | 42.4 |
| Systems Analysts | 980 | 1,660 | 680 | 69.4 |
| Computer Support Specialists | 840 | 1,390 | 550 | 65.5 |
| Telemarketers/Door Sales/Related Workers | 1,410 | 2,170 | 760 | 53.9 |
| Teacher Aides, Paraprofessional | 2,430 | 3,290 | 860 | 35.4 |
| Teachers, Special Education | 930 | 1,250 | 320 | 34.4 |
| Engineering, Mathematical, & Natural Sciences Managers | 960 | 1,280 | 320 | 33.3 |
| Service Supervisors/Managers, Supervisors, NEC | 1,750 | 2,330 | 580 | 33.1 |
| Home Health Aides | 1,150 | 1,510 | 360 | 31.3 |

Source: Labor Market Information Services, Kansas Department of Human Resources. This data is for the South Central Kansas region from the Kansas Occupational Outlook 2008, which includes Harvey County.
NEC: Not elsewhere classified.

Fast growing occupations are defined as those having 1,000 or more employment in 2008 and a percent change in employment from 1998 of 31.0 percent, twice that of the statewide average of 15.5 percent for all occupations.

Systems analysts and computer support specialists are expected to be the fastest growing occupations, growing by 69.4 percent and 65.5 percent, respectively. Advances in technology create a demand for these computer-related occupations.

Among the fastest growing occupations, the greatest number of jobs will be created in the occupation of teachers aids, paraprofessionals, which will add 860 jobs.

Declining occupations are defined as those having 1,000 or more employment in 2008 and a decrease in employment from 1998 to 2008.

Sheet metal workers will see the largest overall decrease in employment, falling from 2,400 in 1998 to 1,630 in 2008.

Local Area IV Declining Occupations 1998-2008

| Occupational Title | Average Annual Employment | | Change | |
|--|---------------------------|---------------|---------------|--------------|
| | 1998 | 2008 | Actual | Percent |
| Total | 11,540 | 10,390 | -1,150 | -10.0 |
| Sheet Metal Workers | 2,400 | 1,630 | -770 | -32.1 |
| Agriculture/Forestry/Fishing Workers, NEC | 1,440 | 1,260 | -180 | -12.5 |
| Bank Tellers | 1,330 | 1,270 | -60 | -4.5 |
| Aerospace Engineers | 2,250 | 2,200 | -50 | -2.2 |
| Inspectors/Testers/Graders, Precision | 1,410 | 1,360 | -50 | -3.5 |
| Aircraft Mechanics | 1,330 | 1,300 | -30 | -2.3 |
| Inspectors/Testers/Graders/Samplers/Weighers | 1,380 | 1,370 | -10 | -0.7 |

Source: Labor Market Information Services, Kansas Department of Human Resources. This data is for the South Central Kansas region from the Kansas Occupational Outlook 2008, which includes Harvey County.
NEC: Not elsewhere classified.



The Workforce Investment Act provides funding for eligible individuals to attend training at local educational facilities.

In addition to the list of higher education institutions and locations, many colleges offer courses at off-campus locations in this area.

Records from the Kansas Department of Education indicate there were over 5,500 high school graduates during the 1999-2000 school year in this area.

There were 1,707 childcare providers in Local Area IV that were registered with the Kansas Department of Health and Environment as of June 2001.

To obtain assistance with contacting a licensed childcare facility in a specific county, contact: Kansas Department of Health and Environment at (785) 296-1522.

The median age for persons in this area is 37.9 years according to the 2000 census.

Assistance is available for both job seekers and employers at any of the Kansas Job Service/Workforce Centers or on the internet at www.kansasjoblinks.com.

Job search workshops have been developed to assist in setting career goals, planning your job search, developing a resume and preparing for interviews. Job referrals are available when you are qualified for

Local Area IV Higher Educational Institutions

| School | City |
|---|---------------|
| Cowley County Community College | Arkansas City |
| Butler County Community College | El Dorado |
| Classic College of Hair Design | Wichita |
| Friends University | Wichita |
| J.G.P.T.A. Academy, Inc. | Wichita |
| Kansas School for Effective Learning Inc. | Wichita |
| Kansas School of Hair Styling | Wichita |
| Models & Images | Wichita |
| Newman University | Wichita |
| Norris Training Systems | Wichita |
| Vatterott College | Wichita |
| Vernons Kansas School of Cosmetology | Wichita |
| Wichita Area Technical School | Wichita |
| Wichita State University | Wichita |
| Wichita Technical Institute | Wichita |
| Xenon International School of Hair Design | Wichita |
| Southwestern College | Winfield |

Source: Kansas Department of Education, the National Center for Education Statistics and www.kansasjoblink.com

jobs listed with the office. In addition, assessment services are also available to help discover career interest, aptitudes, educational level and work values.

Services to veterans are available to all veterans. Additional services may be available to veterans depending on disability status or time of active duty.

For additional employment-related assistance, the Kansas Department of Human Resources Web site is www.hr.state.ks.us

Local Area IV Kansas Job Service/Workforce Centers

| County | City | Address | Telephone |
|----------|-----------|-----------------|----------------|
| Butler | El Dorado | 2315 W Central | (316) 321-2350 |
| Cowley | Winfield | 22215 Tupper St | (620) 442-3130 |
| Sedgwick | Wichita | 402 E 2nd St | (316) 266-8600 |

Source: Employment & Training, Kansas Department of Human Resources.

Median household income is one indicator that can be used to measure the wealth of the population of an area. It is determined by dividing all cases into two equal parts; one-half fall below the median and one-half exceed the median.

The average median household income for Local Area IV is \$37,478. This average is \$990 higher than the statewide average.

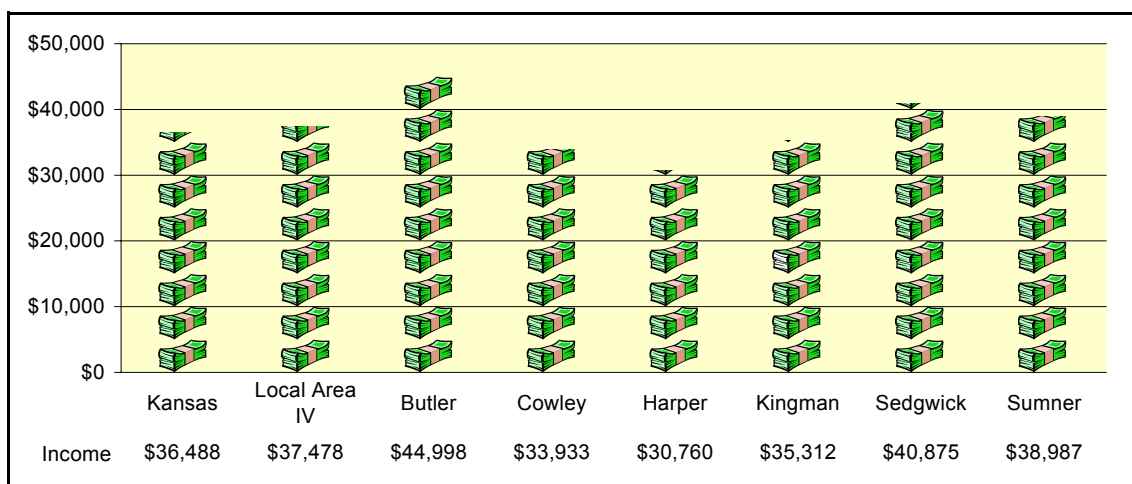
Butler County has the second highest median household income in the State of Kansas. Sedgwick County is ranked seventh.

Per capita personal income is another measure of the wealth of an area's population as well as an indicator of the economic health of an area. It is determined by dividing the total personal income of county residents by the total population of the county.

Sedgwick County is ranked 17th in the state with the highest per capita.

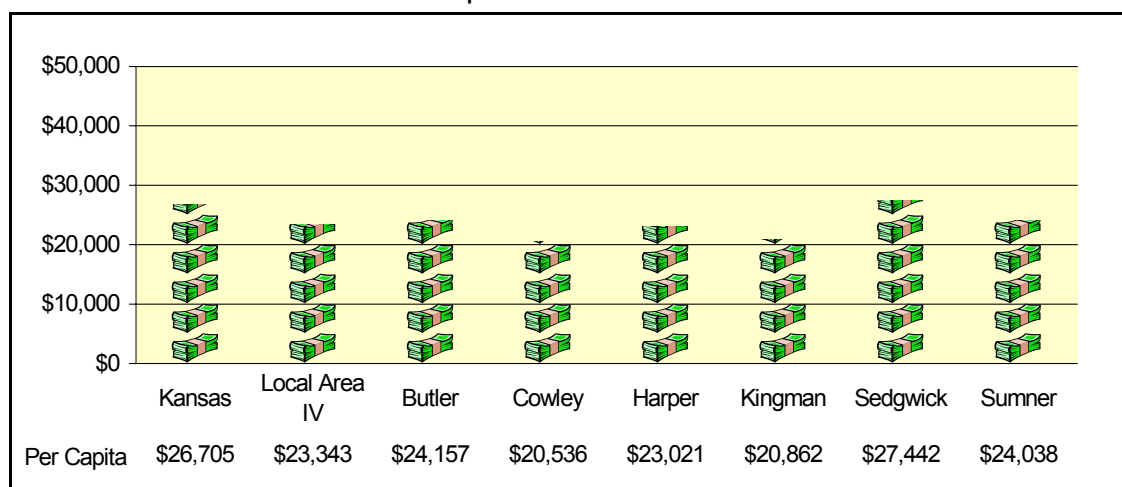
The per capita income for Wichita is \$26,916.

Local Area IV
Median Household Income



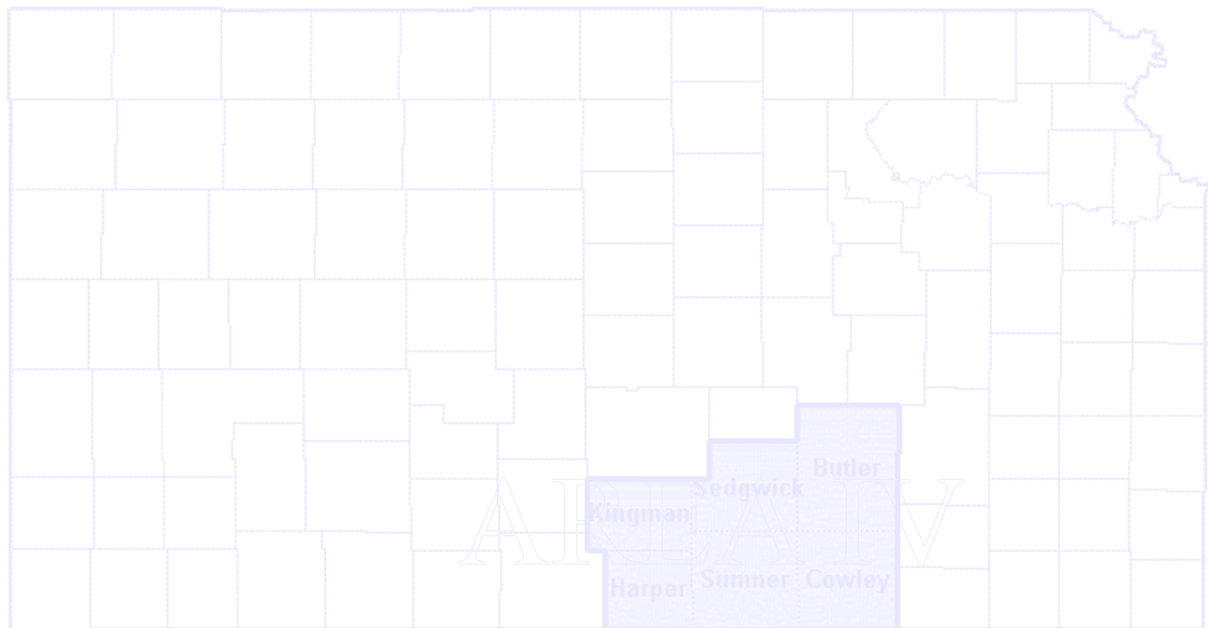
Source: U.S. Census Bureau. November 2000.

Local Area IV
Per Capita Personal Income



Source: U.S. Department of Commerce, Bureau of Economic Analysis. 1999 averages.

Notes



WAGE SURVEY



Overview

Occupational Employment Statistics (OES) Program—Occupational and wage data are collected under the Occupational Employment Statistics (OES) program of the United States Department of Labor. The Bureau of Labor Statistics and the Employment and Training Administration contract with Labor Market Information Services, Kansas Department of Human Resources to collect wage data from employers. The OES program started in Kansas in 1979 and has been responsible for providing occupational employment demand information for the state since that time. In 1996, the OES program assumed collection of occupational wage information to lessen the reporting burden on employers. From the survey results, estimates of wages and employment by occupation are produced for the country. To access information for other states and national averages, the following web address is available: http://www.bls.gov/oes/national/oes_nat.htm.

Coding Occupations—The Occupational Employment Statistics (OES) survey is an annual mail survey measuring occupational employment and wage rates for wage and salary workers in non-farm establishments, by industry. The Standard Occupational Classification (SOC) System is used to code occupations and was developed in response to a growing need for a universal occupational classification system. The system is used by all Federal statistical agencies to classify workers into occupational categories for the purpose of collecting, calculating, or disseminating data. All workers are classified into one of over 820 occupations according to their classification; occupations are combined to form 22 major groups, 96 minor groups and 449 broad occupations. Each broad occupation includes detailed occupations requiring similar job duties, skills, education or experience.

Local Area IV—The Local Area IV *Workforce Planning Guide & Wage Survey, 2002 Edition*, contains the most current wage information available. Collection activities were completed in August 2001. Wage data continues to be the most requested information produced by Labor Market Information Services. The data for over 500 occupations is presented in mean and median hourly wages, with an additional 26 shown as annual wages. Wage data for the state, four Metropolitan Statistical Areas (MSA) and the Balance of State can be found in the *Kansas Wage Survey* or on our website at <http://laborstats.hr.state.ks.us>.

The Wage Survey—Unemployment Insurance (UI) files provide the universe from which the OES survey draws its sample. The employment benchmarks are obtained from reports submitted by employers to the UI program. In some non-manufacturing industries, supplemental sources are used for establishments not reporting to the UI program. The OES survey sample is stratified by area, industry, and size class. Employers are the only source of data used to estimate wages and are among the top users of the information. The survey is primarily collected by mail. However, employers have available a toll-free line for making inquiries and reporting employment and wages. Follow-up reminder postcards are sent to sample units that do not respond after the first mailing. In addition, phone calls are made to clarify reported data and to encourage employer participation.

Employment Estimates—Employment estimates are for the fourth quarter of 2000. The estimates reflect only wage and salary employment. Occupational estimates for total employment are contained in the *Kansas Occupational Outlook*. The outlook employment estimates include self-employment and unpaid family workers, and workers not covered under the Kansas Unemployment Insurance Program.

Continued on page 16.



Continued from page 15.

Wage Updating—Wages were updated to the fourth quarter of 2001 using the Employment Cost Index (ECI). The ECI, administered as part of BLS National Compensation Survey, is computed quarterly from data collected in March, June, September, and December. The ECI measures changes in hourly labor compensation, free from the influence of employment shifts among occupations and industries, and is based on data originally obtained through the Occupational and Employment Survey (OES) which is conducted annually by the State of Kansas. Studies have shown that the ECI is a reliable and valid indicator of employment cost changes from quarter to quarter and many states, including Kansas, use the index to make wage estimates based on OES data more current. For additional information, access the Bureau of Labor Statistics at <http://www.bls.gov/>, or call Labor Market Information Services, Kansas Department of Human Resources at 785-296-5058.

General—In 1999 the Occupational Employment Survey (OES) began using the Office of Management and Budget's (OMB) new occupational classification system—the Standard Occupational Classification System (SOC). The SOC system is the first OMB required occupational classification system for Federal agencies. The OES survey uses 22 major occupational groups from the SOC to categorize workers in one of over 820 detailed occupations.

Wages—The wages for the OES survey are straight-time, gross pay, exclusive of premium pay. Included are base rate, cost-of-living allowances, guaranteed pay, hazardous-duty pay, and incentive pay including commissions and production bonuses, and on-call pay. Excluded are back pay, jury duty pay, overtime pay, severance pay, shift differentials, non-production bonuses, and tuition reimbursements. Wages were updated to the fourth quarter of 2001 using ECI factors.

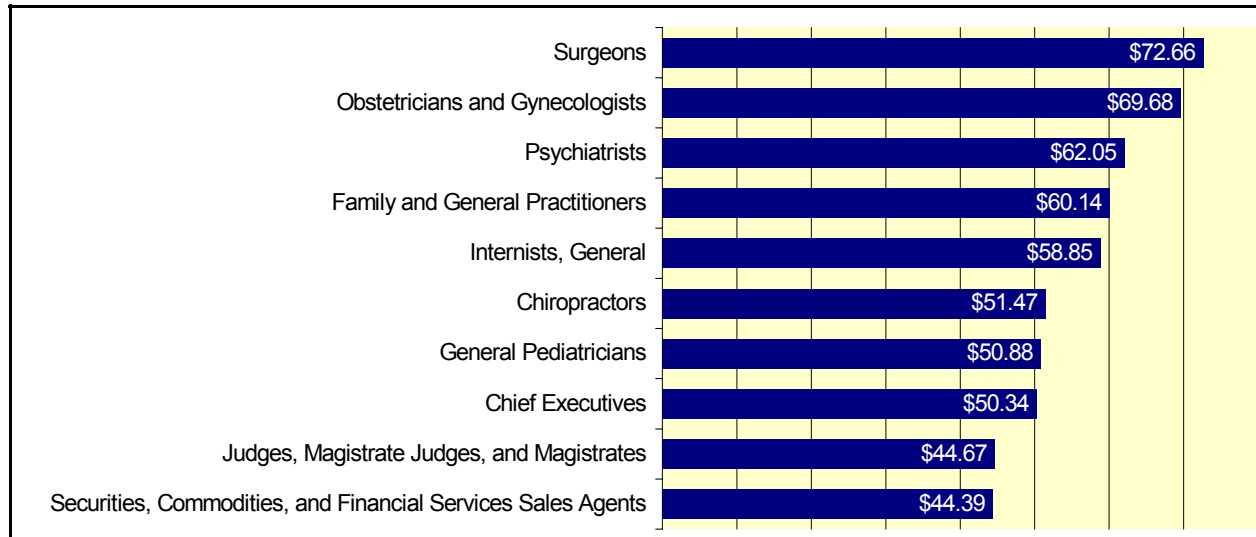
Annual Wages—Most employees are paid at an hourly rate by their employers and may work less than or more than 40 hours per week. There are a small number of occupations where an annual wage figure is provided. The workers in these occupations are paid based on an annual amount, but generally work less than the usual 2,080 hours per year. Since the survey does not collect the actual hours worked, the hourly rate cannot be calculated with a reasonable degree of confidence from the annual wages. For this reason, only the annual salary is reported for these occupations. Occupations that typically have a work-year of less than 2,080 hours include musical and entertainment occupations, flight attendants and pilots and teachers. Annual wages were updated to the fourth quarter of 2001 using ECI factors.

Not Available (N.A.)—In some instances employment or wage data is not available. Confidentiality and disclosure factors are considered in these designations.

Five of the top ten highest paying occupations in Area IV are also among the top ten in the other four areas. These occupations are surgeons, obstetricians/gynecologist, family/general practitioners, internists and chief executives.

Seven of the top ten highest paying occupations in Local Area IV are in the healthcare practitioners and technical occupational group, while management, legal and sales occupational groups each have one occupation represented on the list.

Local Area IV Top 10 Highest Paying Occupations



Source: Labor Market Information Services, Kansas Department of Human Resources. Average wages for fourth quarter 2001.

The table below lists selected occupations where the average wages were found to be higher in Area IV than the statewide average. This list represents ten occupations where a significant difference was present.

Wages for all occupations in Area IV can be compared to wages in the other local areas, metropolitan statistical areas (MSA) and the state averages by accessing our Web site at <http://laborstats.hr.state.ks.us>.

Local Area IV Selected Occupations with Wages Higher than the State Average

| Occupational Title | Area IV Mean Wage | State Mean Wage | Difference |
|---|-------------------|-----------------|------------|
| Securities, Commodities, and Financial Services Sales Agents | \$ 44.39 | \$ 37.12 | \$ 7.27 |
| News Analysts, Reporters and Correspondents | \$ 21.65 | \$ 14.45 | \$ 7.20 |
| Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders | \$ 21.86 | \$ 14.90 | \$ 6.96 |
| Education Administrators, Preschool and Child Care Center/Program | \$ 25.56 | \$ 18.75 | \$ 6.81 |
| Tax Examiners, Collectors, and Revenue Agents | \$ 27.12 | \$ 20.35 | \$ 6.77 |
| Extruding/Drawing Machine Setters, Operators/Tenders, Metal and Plastic | \$ 21.02 | \$ 14.30 | \$ 6.72 |
| Crane and Tower Operators | \$ 23.56 | \$ 17.09 | \$ 6.47 |
| Financial Specialists, All Other | \$ 26.51 | \$ 20.22 | \$ 6.29 |
| Credit Analysts | \$ 31.32 | \$ 25.56 | \$ 5.76 |
| All Other Legal and Related Workers | \$ 23.24 | \$ 17.58 | \$ 5.66 |

Source: Labor Market Information Services, Kansas Department of Human Resources. Fourth quarter 2001.



Explanation of Data

Code—The six digit SOC code assigned to occupations from the Standard Occupational Classification System (SOC).

Occupational Title—The title assigned to the occupation from the Standard Occupational Classification System (SOC).

Estimated Employment—The estimate of total wage and salary employment by occupation based on data received during the fourth quarter of 2000.

Mean Wage —The estimated total wages for an occupation divided by its employment. Estimate updated to the fourth quarter of 2001.

Median Wage—The estimated 50th percentile of the distribution of wages. Estimate updated to the fourth quarter of 2001.

Annual Wages—Listed on page 34. Wages reported by specific occupational groups who traditionally work less than 2,080 hours each year. Estimate updated to the fourth quarter of 2001.

Definition of Occupational Titles—The definitions and illustrative examples of each occupation listed can be found in the *Kansas Wage Survey* or at our Web site at <http://laborstats.hr.state.ks.us>.

The following is a sample of the occupational data from Local Area IV. Illustrated are the mean and median hourly wages for Human Resources Managers and the estimated number of employees for this region. This occupation is listed under the occupational group, Management Occupations, listed on page 19.

| Code | Occupational Title | Estimated Employment | Mean Wage | Median Wage |
|-------------------------------|--------------------------|----------------------|-----------|-------------|
| Management Occupations | | | | |
| 11-3040 | Human Resources Managers | 410 | \$29.19 | \$26.57 |

Local Area IV
Wages by Occupation



| Code | Occupational Title | Estimated Employment | Mean Wage | Median Wage |
|--|--|----------------------|-----------|-------------|
| Management Occupations | | | | |
| 11-1011 | Chief Executives | 760 | \$50.34 | \$50.78 |
| 11-1021 | General and Operations Managers | 6,450 | \$31.29 | \$27.31 |
| 11-1031 | Legislators | 90 | \$18.62 | \$16.78 |
| 11-2011 | Advertising and Promotions Managers | 140 | \$23.10 | \$19.90 |
| 11-2021 | Marketing Managers | 440 | \$33.08 | \$31.25 |
| 11-2022 | Sales Managers | 870 | \$31.15 | \$27.97 |
| 11-2031 | Public Relations Managers | 190 | \$26.83 | \$21.55 |
| 11-3011 | Administrative Services Managers | 510 | \$26.02 | \$22.94 |
| 11-3021 | Computer and Information Systems Managers | 380 | \$34.35 | \$34.22 |
| 11-3031 | Financial Managers | 1,190 | \$29.66 | \$27.53 |
| 11-3040 | Human Resources Managers | 410 | \$29.19 | \$26.57 |
| 11-3051 | Industrial Production Managers | 790 | \$37.47 | \$37.37 |
| 11-3061 | Purchasing Managers | 420 | \$30.54 | \$29.83 |
| 11-3071 | Transportation, Storage, and Distribution Managers | 170 | \$25.03 | \$22.03 |
| 11-9021 | Construction Managers | 490 | \$25.11 | \$23.70 |
| 11-9031 | Education Administrators, Preschool and Child Care Center/Program | 130 | \$25.56 | \$27.45 |
| 11-9033 | Education Administrators, Postsecondary | 100 | \$24.56 | \$24.31 |
| 11-9041 | Engineering Managers | 990 | \$37.22 | \$36.44 |
| 11-9051 | Food Service Managers | 920 | \$14.98 | \$14.45 |
| 11-9061 | Funeral Directors | 60 | \$22.97 | \$20.40 |
| 11-9071 | Gaming Managers | NA | \$25.37 | \$25.26 |
| 11-9081 | Lodging Managers | 100 | \$16.33 | \$14.72 |
| 11-9111 | Medical and Health Services Managers | 570 | \$25.58 | \$23.57 |
| 11-9121 | Natural Sciences Managers | 20 | \$34.34 | \$32.34 |
| 11-9131 | Postmasters and Mail Superintendents | 60 | \$21.07 | \$21.23 |
| 11-9141 | Property, Real Estate, and Community Association Managers | 260 | \$15.02 | \$11.21 |
| 11-9151 | Social and Community Service Managers | 140 | \$18.06 | \$16.54 |
| 11-9199 | Managers, All Other | 1,100 | \$25.01 | \$23.82 |
| Business and Financial Operations Occupations | | | | |
| 13-1021 | Purchasing Agents and Buyers, Farm Products | 90 | \$19.96 | \$19.83 |
| 13-1022 | Wholesale and Retail Buyers, Except Farm Products | 930 | \$24.46 | \$25.25 |
| 13-1023 | Purchasing Agents, Except Wholesale, Retail, and Farm Products | 410 | \$21.87 | \$21.63 |
| 13-1031 | Claims Adjusters, Examiners, and Investigators | 130 | \$23.49 | \$22.90 |
| 13-1041 | Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation | 280 | \$22.04 | \$20.70 |
| 13-1051 | Cost Estimators | 620 | \$24.12 | \$23.55 |
| 13-1061 | Emergency Management Specialists | 130 | \$17.16 | \$16.27 |
| 13-1071 | Employment, Recruitment, and Placement Specialists | 360 | \$25.75 | \$17.72 |
| 13-1072 | Compensation, Benefits, and Job Analysis Specialists | 200 | \$24.47 | \$23.41 |
| 13-1073 | Training and Development Specialists | 240 | \$19.78 | \$17.80 |
| 13-1111 | Management Analysts | 1,730 | \$27.40 | \$26.79 |



| Code | Occupational Title | Estimated Employment | Mean Wage | Median Wage |
|---|--|----------------------|-----------|-------------|
| 13-1121 | Meeting and Convention Planners | 20 | \$15.02 | \$13.88 |
| 13-1199 | Business Operations Specialists, All Other | 1,030 | \$22.09 | \$21.90 |
| 13-2011 | Accountants and Auditors | 1,590 | \$22.22 | \$21.34 |
| 13-2021 | Appraisers and Assessors of Real Estate | 260 | \$21.53 | \$20.37 |
| 13-2031 | Budget Analysts | 90 | \$23.79 | \$22.51 |
| 13-2041 | Credit Analysts | 170 | \$31.32 | \$21.72 |
| 13-2051 | Financial Analysts | 160 | \$24.95 | \$23.38 |
| 13-2052 | Personal Financial Advisors | 230 | \$35.75 | \$27.15 |
| 13-2053 | Insurance Underwriters | 70 | \$21.70 | \$20.11 |
| 13-2061 | Financial Examiners | 50 | \$27.45 | \$26.17 |
| 13-2072 | Loan Officers | 470 | \$21.63 | \$18.88 |
| 13-2081 | Tax Examiners, Collectors, and Revenue Agents | 110 | \$27.12 | \$27.53 |
| 13-2082 | Tax Preparers | 90 | \$17.71 | \$16.79 |
| 13-2099 | Financial Specialists, All Other | 90 | \$26.51 | \$20.47 |
| Computer and Mathematical Occupations | | | | |
| 15-1021 | Computer Programmers | 710 | \$28.41 | \$27.95 |
| 15-1031 | Computer Software Engineers, Applications | 540 | \$27.33 | \$27.01 |
| 15-1032 | Computer Software Engineers, Systems Software | 330 | \$32.89 | \$32.97 |
| 15-1041 | Computer Support Specialists | 840 | \$18.91 | \$17.99 |
| 15-1051 | Computer Systems Analysts | 1,650 | \$28.54 | \$28.24 |
| 15-1061 | Database Administrators | 190 | \$29.96 | \$30.75 |
| 15-1071 | Network and Computer Systems Administrators | 320 | \$23.83 | \$22.23 |
| 15-1081 | Network Systems and Data Communications Analysts | 150 | \$28.13 | \$27.56 |
| 15-1099 | Computer Specialists, All Other | 480 | \$28.72 | \$27.84 |
| 15-2031 | Operations Research Analysts | 1,140 | \$25.08 | \$25.13 |
| 15-2041 | Statisticians | NA | \$20.29 | \$22.32 |
| Architecture and Engineering Occupations | | | | |
| 17-1011 | Architects, Except Landscape and Naval | 80 | \$26.20 | \$24.07 |
| 17-1012 | Landscape Architects | 20 | \$19.59 | \$17.89 |
| 17-1022 | Surveyors | 30 | \$18.29 | \$18.89 |
| 17-2011 | Aerospace Engineers | 2,790 | \$33.43 | \$33.02 |
| 17-2041 | Chemical Engineers | 50 | \$33.49 | \$32.32 |
| 17-2051 | Civil Engineers | 290 | \$25.51 | \$23.21 |
| 17-2061 | Computer Hardware Engineers | 130 | \$30.60 | \$30.86 |
| 17-2071 | Electrical Engineers | 240 | \$32.21 | \$29.07 |
| 17-2072 | Electronics Engineers, Except Computer | 110 | \$28.93 | \$27.20 |
| 17-2081 | Environmental Engineers | 60 | \$23.06 | \$22.77 |
| 17-2111 | Health and Safety Engineers, Except Mining Safety Engineers and Inspectors | 150 | \$25.58 | \$25.32 |
| 17-2112 | Industrial Engineers | 360 | \$26.68 | \$26.11 |
| 17-2131 | Materials Engineers | 20 | \$25.84 | \$26.03 |
| 17-2141 | Mechanical Engineers | 690 | \$31.52 | \$30.25 |

| Code | Occupational Title | Estimated Employment | Mean Wage | Median Wage |
|---|--|----------------------|-----------|-------------|
| 17-2151 | Mining and Geological Engineers, Including Mining Safety Engineers | 10 | \$32.88 | \$32.95 |
| 17-2199 | Engineers, All Other | 100 | \$39.95 | \$46.11 |
| 17-3011 | Architectural and Civil Drafters | 80 | \$16.19 | \$15.67 |
| 17-3012 | Electrical and Electronics Drafters | 50 | \$15.43 | \$14.26 |
| 17-3013 | Mechanical Drafters | 180 | \$19.81 | \$17.51 |
| 17-3021 | Aerospace Engineering and Operations Technicians | 1,140 | \$24.82 | \$23.16 |
| 17-3022 | Civil Engineering Technicians | 100 | \$19.87 | \$17.86 |
| 17-3023 | Electrical and Electronic Engineering Technicians | 500 | \$17.05 | \$17.35 |
| 17-3024 | Electro-Mechanical Technicians | 190 | \$21.34 | \$19.93 |
| 17-3025 | Environmental Engineering Technicians | 30 | \$19.38 | \$19.38 |
| 17-3026 | Industrial Engineering Technicians | 640 | \$22.65 | \$22.12 |
| 17-3027 | Mechanical Engineering Technicians | 210 | \$22.79 | \$21.44 |
| 17-3031 | Surveying and Mapping Technicians | 150 | \$14.90 | \$14.84 |
| 17-3099 | All Other Drafters, Engineering, and Mapping Technicians | 520 | \$19.78 | \$20.56 |
| Life, Physical, and Social Science Occupations | | | | |
| 19-1010 | Agricultural and Food Scientists | 20 | \$22.93 | \$21.38 |
| 19-1022 | Microbiologists | 10 | \$20.40 | \$20.49 |
| 19-1031 | Conservation Scientists | 10 | \$24.47 | \$24.78 |
| 19-1032 | Foresters | NA | \$22.33 | \$22.32 |
| 19-2021 | Atmospheric and Space Scientists | 30 | \$21.55 | \$20.47 |
| 19-2031 | Chemists | 50 | \$25.16 | \$24.16 |
| 19-2032 | Materials Scientists | 250 | \$23.76 | \$24.04 |
| 19-2041 | Environmental Scientists and Specialists, Including Health | 70 | \$22.17 | \$21.30 |
| 19-2042 | Geoscientists, Except Hydrologists and Geographers | 80 | \$28.42 | \$24.33 |
| 19-2099 | Physical Scientists, All Other | 140 | \$22.00 | \$23.09 |
| 19-3011 | Economists | 40 | \$23.61 | \$25.34 |
| 19-3021 | Market Research Analysts | 80 | \$23.87 | \$22.99 |
| 19-3031 | Clinical, Counseling, and School Psychologists | 240 | \$20.76 | \$20.48 |
| 19-3051 | Urban and Regional Planners | 50 | \$22.19 | \$21.98 |
| 19-3099 | Social Scientists and Related Workers, All Other | 30 | \$24.90 | \$22.63 |
| 19-4011 | Agricultural and Food Science Technicians | 20 | \$13.09 | \$11.22 |
| 19-4031 | Chemical Technicians | 200 | \$22.46 | \$24.33 |
| 19-4041 | Geological and Petroleum Technicians | 30 | \$23.89 | \$25.72 |
| 19-4091 | Environmental Science and Protection Technicians, Including Health | 120 | \$19.09 | \$19.06 |
| 19-4099 | Life, Physical, and Social Science Technicians, All Other | 60 | \$18.86 | \$18.43 |
| Community and Social Services Occupations | | | | |
| 21-1011 | Substance Abuse and Behavioral Disorder Counselors | 40 | \$14.49 | \$14.14 |
| 21-1012 | Educational, Vocational, and School Counselors | 520 | \$20.90 | \$21.14 |
| 21-1013 | Marriage and Family Therapists | 30 | \$24.34 | \$19.00 |
| 21-1015 | Rehabilitation Counselors | 460 | \$11.13 | \$10.46 |
| 21-1021 | Child, Family, and School Social Workers | 320 | \$14.92 | \$14.31 |
| 21-1022 | Medical and Public Health Social Workers | 60 | \$16.37 | \$13.60 |



| Code | Occupational Title | Estimated Employment | Mean Wage | Median Wage |
|---|--|----------------------|-----------|-------------|
| 21-1023 | Mental Health and Substance Abuse Social Workers | 240 | \$13.72 | \$13.22 |
| 21-1091 | Health Educators | 70 | \$16.79 | \$16.58 |
| 21-1092 | Probation Officers and Correctional Treatment Specialists | 70 | \$15.82 | \$15.71 |
| 21-1093 | Social and Human Service Assistants | 580 | \$11.75 | \$11.40 |
| 21-2011 | Clergy | 50 | \$18.49 | \$19.58 |
| 21-9099 | All Other Counselors, Social and Religious Workers | 200 | \$17.11 | \$15.06 |
| Legal Occupations | | | | |
| 23-1011 | Lawyers | 920 | \$37.09 | \$36.47 |
| 23-1021 | Administrative Law Judges, Adjudicators, and Hearing Officers | 10 | \$37.38 | \$33.30 |
| 23-1023 | Judges, Magistrate Judges, and Magistrates | 50 | \$44.67 | \$49.55 |
| 23-2011 | Paralegals and Legal Assistants | 290 | \$17.17 | \$16.62 |
| 23-2091 | Court Reporters | 70 | \$18.56 | \$17.10 |
| 23-2093 | Title Examiners, Abstractors, and Searchers | 60 | \$14.88 | \$14.06 |
| 23-9099 | All Other Legal and Related Workers | 170 | \$23.24 | \$19.67 |
| Education, Training, and Library Occupations | | | | |
| 25-1099 | Postsecondary Teachers, All Other | 690 | \$13.77 | \$13.12 |
| 25-1194 | Vocational Education Teachers, Postsecondary | 320 | \$16.72 | \$16.62 |
| 25-2011 | Preschool Teachers, Except Special Education | 330 | \$9.66 | \$8.59 |
| 25-3011 | Adult Literacy, Remedial Education, and GED Teachers and Instructors | 30 | \$17.70 | \$17.41 |
| 25-3021 | Self-Enrichment Education Teachers | 620 | \$17.78 | \$17.96 |
| 25-4021 | Librarians | 270 | \$19.76 | \$20.01 |
| 25-4031 | Library Technicians | 140 | \$11.71 | \$11.34 |
| 25-9031 | Instructional Coordinators | 70 | \$25.53 | \$25.79 |
| 25-9199 | Education, Training, and Library Workers, All Other | 270 | \$11.57 | \$10.74 |
| Arts, Design, Entertainment, Sports, and Media Occupations | | | | |
| 27-1011 | Art Directors | 30 | \$24.29 | \$21.36 |
| 27-1021 | Commercial and Industrial Designers | 30 | \$16.65 | \$13.94 |
| 27-1023 | Floral Designers | 560 | \$9.26 | \$8.51 |
| 27-1024 | Graphic Designers | 530 | \$17.50 | \$18.96 |
| 27-1025 | Interior Designers | 50 | \$15.28 | \$13.50 |
| 27-1026 | Merchandise Displayers and Window Trimmers | 40 | \$11.23 | \$7.20 |
| 27-1027 | Set and Exhibit Designers | 30 | \$11.67 | \$11.96 |
| 27-1099 | All Other Art and Design Workers | 40 | \$13.80 | \$13.98 |
| 27-2032 | Choreographers | 50 | \$13.11 | \$10.68 |
| 27-3010 | Announcers | 110 | \$10.99 | \$7.68 |
| 27-3020 | News Analysts, Reporters and Correspondents | 150 | \$21.65 | \$20.97 |
| 27-3031 | Public Relations Specialists | 140 | \$18.67 | \$16.80 |
| 27-3041 | Editors | 150 | \$21.92 | \$23.79 |
| 27-3042 | Technical Writers | 130 | \$20.77 | \$20.61 |
| 27-3043 | Writers and Authors | 70 | \$12.74 | \$6.61 |
| 27-4012 | Broadcast Technicians | 70 | \$14.31 | \$12.88 |

| Code | Occupational Title | Estimated Employment | Mean Wage | Median Wage |
|---|--|----------------------|-----------|-------------|
| 27-4014 | Sound Engineering Technicians | 40 | \$21.18 | \$20.20 |
| 27-4021 | Photographers | 220 | \$11.72 | \$10.46 |
| 27-4031 | Camera Operators, Television, Video, and Motion Picture | 20 | \$9.55 | \$8.36 |
| 27-4099 | Media and Communication Equipment Workers, All Other | 10 | \$17.38 | \$16.90 |
| Healthcare Practitioners and Technical Occupations | | | | |
| 29-1011 | Chiropractors | 20 | \$51.47 | \$53.69 |
| 29-1031 | Dietitians and Nutritionists | 120 | \$17.92 | \$17.57 |
| 29-1041 | Optometrists | 90 | \$40.13 | \$38.67 |
| 29-1051 | Pharmacists | 360 | \$32.38 | \$33.03 |
| 29-1062 | Family and General Practitioners | 280 | \$60.14 | \$71.10 |
| 29-1063 | Internists, General | 60 | \$58.85 | \$65.37 |
| 29-1064 | Obstetricians and Gynecologists | 80 | \$69.68 | \$75.74 |
| 29-1065 | Pediatricians, General | 80 | \$50.88 | \$51.66 |
| 29-1066 | Psychiatrists | 20 | \$62.05 | \$60.05 |
| 29-1067 | Surgeons | 50 | \$72.66 | \$75.74 |
| 29-1069 | Physicians and Surgeons, All Other | 1,510 | \$18.63 | \$19.10 |
| 29-1071 | Physician Assistants | 140 | \$27.24 | \$28.82 |
| 29-1111 | Registered Nurses | 3,390 | \$18.70 | \$18.91 |
| 29-1122 | Occupational Therapists | 80 | \$25.29 | \$23.28 |
| 29-1123 | Physical Therapists | 70 | \$32.02 | \$32.72 |
| 29-1125 | Recreational Therapists | 130 | \$13.77 | \$13.15 |
| 29-1126 | Respiratory Therapists | 100 | \$16.89 | \$16.76 |
| 29-1127 | Speech-Language Pathologists | 190 | \$20.59 | \$18.32 |
| 29-1131 | Veterinarians | 70 | \$35.75 | \$27.14 |
| 29-1199 | Health Diagnosing and Treating Practitioners, All Other | 140 | \$28.18 | \$6.95 |
| 29-2011 | Medical and Clinical Laboratory Technologists | 180 | \$15.75 | \$15.71 |
| 29-2012 | Medical and Clinical Laboratory Technicians | 130 | \$14.01 | \$14.97 |
| 29-2021 | Dental Hygienists | 330 | \$25.00 | \$25.35 |
| 29-2032 | Diagnostic Medical Sonographers | 40 | \$23.69 | \$23.86 |
| 29-2034 | Radiologic Technologists and Technicians | 240 | \$15.36 | \$15.48 |
| 29-2052 | Pharmacy Technicians | 180 | \$10.04 | \$9.82 |
| 29-2054 | Respiratory Therapy Technicians | 40 | \$14.15 | \$15.05 |
| 29-2055 | Surgical Technologists | 820 | \$13.00 | \$13.06 |
| 29-2056 | Veterinary Technologists and Technicians | 80 | \$10.28 | \$10.08 |
| 29-2061 | Licensed Practical and Licensed Vocational Nurses | 1,610 | \$14.45 | \$13.82 |
| 29-2071 | Medical Records and Health Information Technicians | 470 | \$9.19 | \$8.63 |
| 29-2081 | Opticians, Dispensing | 150 | \$8.77 | \$8.48 |
| 29-9010 | Occupational Health and Safety Specialists and Technicians | 60 | \$20.93 | \$21.27 |
| 29-9199 | All Other Health Professionals and Technicians | 280 | \$14.39 | \$12.85 |
| Healthcare Support Occupations | | | | |
| 31-1011 | Home Health Aides | 1,100 | \$9.06 | \$9.24 |
| 31-1012 | Nursing Aides, Orderlies, and Attendants | 3,280 | \$9.09 | \$9.17 |



| Code | Occupational Title | Estimated Employment | Mean Wage | Median Wage |
|---|---|----------------------|-----------|-------------|
| 31-2011 | Occupational Therapist Assistants | NA | \$17.38 | \$17.30 |
| 31-2012 | Occupational Therapist Aides | 10 | \$12.37 | \$12.36 |
| 31-2021 | Physical Therapist Assistants | 30 | \$14.15 | \$13.22 |
| 31-2022 | Physical Therapist Aides | 40 | \$9.48 | \$9.39 |
| 31-9011 | Massage Therapists | 50 | \$11.66 | \$10.51 |
| 31-9091 | Dental Assistants | 310 | \$11.43 | \$10.78 |
| 31-9092 | Medical Assistants | 780 | \$9.93 | \$9.90 |
| 31-9094 | Medical Transcriptionists | 230 | \$10.63 | \$10.65 |
| 31-9095 | Pharmacy Aides | 100 | \$8.58 | \$8.46 |
| 31-9096 | Veterinary Assistants and Laboratory Animal Caretakers | 120 | \$7.63 | \$6.95 |
| 31-9099 | Healthcare Support Workers, All Other | 740 | \$11.27 | \$10.71 |
| Protective Service Occupations | | | | |
| 33-1011 | First-Line Supervisors/Managers of Correctional Officers | 10 | \$24.20 | \$24.84 |
| 33-1012 | First-Line Supervisors/Managers of Police and Detectives | 340 | \$21.98 | \$21.81 |
| 33-1021 | First-Line Supervisors/Managers of Fire Fighting and Prevention Workers | 170 | \$17.51 | \$16.32 |
| 33-1099 | First-Line Supervisors/Managers, Protective Service Workers, All Other | 130 | \$12.57 | \$9.31 |
| 33-2011 | Fire Fighters | 1,140 | \$14.22 | \$14.89 |
| 33-2021 | Fire Inspectors and Investigators | 20 | \$20.63 | \$20.59 |
| 33-3012 | Correctional Officers and Jailers | 380 | \$11.62 | \$11.03 |
| 33-3021 | Detectives and Criminal Investigators | 320 | \$20.40 | \$20.54 |
| 33-3051 | Police and Sheriff's Patrol Officers | 1,790 | \$15.06 | \$15.14 |
| 33-9021 | Private Detectives and Investigators | 50 | \$17.08 | \$11.43 |
| 33-9032 | Security Guards | 1,600 | \$11.01 | \$9.62 |
| 33-9091 | Crossing Guards | 70 | \$7.03 | \$6.92 |
| 33-9099 | Protective Service Workers, All Other | 140 | \$11.77 | \$10.28 |
| Food Preparation and Serving-Related Occupations | | | | |
| 35-1011 | Chefs and Head Cooks | 290 | \$11.45 | \$10.55 |
| 35-1012 | First-Line Supervisors/Managers of Food Preparation and Serving Workers | 2,060 | \$9.87 | \$8.84 |
| 35-2011 | Cooks, Fast Food | 250 | \$6.91 | \$6.86 |
| 35-2012 | Cooks, Institution and Cafeteria | 1,360 | \$8.62 | \$8.42 |
| 35-2014 | Cooks, Restaurant | 1,530 | \$8.61 | \$8.29 |
| 35-2015 | Cooks, Short Order | 120 | \$6.58 | \$6.50 |
| 35-2021 | Food Preparation Workers | 1,240 | \$7.35 | \$7.24 |
| 35-3011 | Bartenders | 700 | \$6.67 | \$6.43 |
| 35-3021 | Combined Food Preparation and Serving Workers, Including Fast Food | 6,760 | \$6.89 | \$6.71 |
| 35-3022 | Counter Attendants, Cafeteria, Food Concession, and Coffee Shop | 570 | \$7.55 | \$6.92 |
| 35-3031 | Waiters and Waitresses | 5,110 | \$6.52 | \$6.36 |

| Code | Occupational Title | Estimated Employment | Mean Wage | Median Wage |
|--|--|----------------------|-----------|-------------|
| 35-3041 | Food Servers, Nonrestaurant | 230 | \$8.19 | \$7.88 |
| 35-9011 | Dining Room and Cafeteria Attendants and Bartender Helpers | 350 | \$6.33 | \$6.44 |
| 35-9021 | Dishwashers | 1,000 | \$6.71 | \$6.59 |
| 35-9031 | Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop | 840 | \$6.44 | \$6.44 |
| 35-9099 | Food Preparation and Serving Related Workers, All Other | 50 | \$7.55 | \$6.90 |
| Building and Grounds Cleaning and Maintenance Occupations | | | | |
| 37-1011 | First-Line Supervisors/Managers of Housekeeping and Janitorial Workers | 330 | \$11.58 | \$10.63 |
| 37-1012 | First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers | 120 | \$15.99 | \$15.25 |
| 37-2011 | Janitors and Cleaners, Except Maids and Housekeeping Cleaners | 3,760 | \$8.91 | \$8.40 |
| 37-2012 | Maids and Housekeeping Cleaners | 2,540 | \$7.44 | \$7.36 |
| 37-2021 | Pest Control Workers | 180 | \$12.40 | \$11.50 |
| 37-3011 | Landscaping and Groundskeeping Workers | 1,560 | \$9.49 | \$8.68 |
| 37-9099 | All Other Building and Grounds Cleaning and Maintenance Workers | 100 | \$9.26 | \$8.24 |
| Personal Care and Service Occupations | | | | |
| 39-1021 | First-Line Supervisors/Managers of Personal Service Workers | 120 | \$11.09 | \$10.65 |
| 39-2021 | Nonfarm Animal Caretakers | 240 | \$7.66 | \$6.74 |
| 39-3012 | Gaming and Sports Book Writers and Runners | 40 | \$8.66 | \$8.20 |
| 39-3021 | Motion Picture Projectionists | 20 | \$7.58 | \$7.82 |
| 39-3031 | Ushers, Lobby Attendants, and Ticket Takers | 110 | \$6.52 | \$6.54 |
| 39-3091 | Amusement and Recreation Attendants | 190 | \$7.19 | \$6.46 |
| 39-3093 | Locker Room, Coatroom, and Dressing Room Attendants | 80 | \$7.69 | \$6.99 |
| 39-3099 | Entertainment Attendants and Related Workers, All Other | 110 | \$8.50 | \$8.12 |
| 39-3199 | Gaming Workers, All Other | 110 | \$8.50 | \$8.12 |
| 39-4021 | Funeral Attendants | 60 | \$11.30 | \$11.38 |
| 39-5012 | Hairdressers, Hairstylists, and Cosmetologists | 780 | \$10.16 | \$10.07 |
| 39-5092 | Manicurists and Pedicurists | 20 | \$11.40 | \$7.98 |
| 39-6011 | Baggage Porters and Bellhops | 30 | \$8.46 | \$9.37 |
| 39-6012 | Concierges | 10 | \$7.09 | \$7.17 |
| 39-6022 | Travel Guides | 40 | \$10.16 | \$10.04 |
| 39-9011 | Child Care Workers | 690 | \$7.13 | \$7.08 |
| 39-9021 | Personal and Home Care Aides | 1,320 | \$8.24 | \$8.14 |
| 39-9031 | Fitness Trainers and Aerobics Instructors | 370 | \$13.22 | \$10.31 |
| 39-9032 | Recreation Workers | 310 | \$9.00 | \$8.41 |
| 39-9041 | Residential Advisors | 160 | \$9.23 | \$8.96 |
| 39-9099 | Personal Care and Service Workers, All Other | 150 | \$7.72 | \$6.94 |
| Sales and Related Occupations | | | | |
| 41-1011 | First-Line Supervisors/Managers of Retail Sales Workers | 2,750 | \$13.27 | \$11.30 |
| 41-1012 | First-Line Supervisors/Managers of Non-Retail Sales Workers | 370 | \$22.07 | \$20.00 |
| 41-2011 | Cashiers | 6,800 | \$7.10 | \$6.90 |
| 41-2021 | Counter and Rental Clerks | 1,020 | \$9.46 | \$8.15 |



| Code | Occupational Title | Estimated Employment | Mean Wage | Median Wage |
|--|--|----------------------|-----------|-------------|
| 41-2022 | Parts Salespersons | 540 | \$11.02 | \$10.44 |
| 41-2031 | Retail Salespersons | 7,390 | \$10.03 | \$7.79 |
| 41-3011 | Advertising Sales Agents | 280 | \$18.54 | \$13.21 |
| 41-3021 | Insurance Sales Agents | 430 | \$24.64 | \$20.58 |
| 41-3031 | Securities, Commodities, and Financial Services Sales Agents | 340 | \$44.39 | \$41.40 |
| 41-3041 | Travel Agents | 70 | \$11.61 | \$10.48 |
| 41-4011 | Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products | 510 | \$29.10 | \$26.91 |
| 41-4012 | Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Products | 3,180 | \$22.85 | \$19.77 |
| 41-9011 | Demonstrators and Product Promoters | 50 | \$8.74 | \$8.04 |
| 41-9021 | Real Estate Brokers | 60 | \$38.16 | \$36.13 |
| 41-9022 | Real Estate Sales Agents | 150 | \$13.78 | \$13.18 |
| 41-9031 | Sales Engineers | 70 | \$29.36 | \$27.03 |
| 41-9041 | Telemarketers | 760 | \$9.46 | \$9.70 |
| 41-9091 | Door-to-Door Sales Workers, News and Street Vendors, and Related Workers | 40 | \$12.35 | \$12.45 |
| 41-9099 | Sales and Related Workers, All Other | 780 | \$16.53 | \$14.58 |
| Office and Administrative Support Occupations | | | | |
| 43-1011 | First-Line Supervisors/Managers of Office and Administrative Support Workers | 2,450 | \$17.94 | \$16.14 |
| 43-2011 | Switchboard Operators, Including Answering Service | 380 | \$10.41 | \$9.36 |
| 43-3011 | Bill and Account Collectors | 550 | \$11.72 | \$11.06 |
| 43-3021 | Billing and Posting Clerks and Machine Operators | 920 | \$11.69 | \$11.50 |
| 43-3031 | Bookkeeping, Accounting, and Auditing Clerks | 3,640 | \$11.70 | \$11.18 |
| 43-3051 | Payroll and Timekeeping Clerks | 320 | \$14.72 | \$13.24 |
| 43-3061 | Procurement Clerks | 250 | \$16.43 | \$16.68 |
| 43-3071 | Tellers | 820 | \$8.78 | \$8.70 |
| 43-4021 | Correspondence Clerks | 20 | \$12.25 | \$12.28 |
| 43-4031 | Court, Municipal, and License Clerks | 200 | \$11.30 | \$10.71 |
| 43-4041 | Credit Authorizers, Checkers, and Clerks | 110 | \$14.49 | \$13.16 |
| 43-4051 | Customer Service Representatives | 2,870 | \$12.83 | \$11.63 |
| 43-4061 | Eligibility Interviewers, Government Programs | 250 | \$15.63 | \$15.69 |
| 43-4071 | File Clerks | 400 | \$8.88 | \$8.53 |
| 43-4081 | Hotel, Motel, and Resort Desk Clerks | 360 | \$7.94 | \$8.00 |
| 43-4111 | Interviewers, Except Eligibility and Loan | 280 | \$11.07 | \$10.74 |
| 43-4121 | Library Assistants, Clerical | 250 | \$7.37 | \$6.96 |
| 43-4131 | Loan Interviewers and Clerks | 190 | \$11.74 | \$11.64 |
| 43-4141 | New Accounts Clerks | 110 | \$12.45 | \$12.40 |
| 43-4151 | Order Clerks | 1,100 | \$13.49 | \$12.06 |
| 43-4161 | Human Resources Assistants, Except Payroll and Timekeeping | 260 | \$14.91 | \$13.87 |
| 43-4171 | Receptionists and Information Clerks | 1,920 | \$10.04 | \$9.35 |

| Code | Occupational Title | Estimated Employment | Mean Wage | Median Wage |
|---|---|----------------------|-----------|-------------|
| 43-4181 | Reservation and Transportation Ticket Agents and Travel Clerks | 340 | \$9.92 | \$9.92 |
| 43-4999 | All Other Financial, Information, and Record Clerks | 440 | \$11.25 | \$9.33 |
| 43-5021 | Couriers and Messengers | 410 | \$9.21 | \$9.55 |
| 43-5031 | Police, Fire, and Ambulance Dispatchers | 120 | \$11.97 | \$11.17 |
| 43-5032 | Dispatchers, Except Police, Fire, and Ambulance | 300 | \$15.40 | \$13.96 |
| 43-5041 | Meter Readers, Utilities | 180 | \$10.46 | \$10.31 |
| 43-5051 | Postal Service Clerks | 100 | \$19.00 | \$19.47 |
| 43-5052 | Postal Service Mail Carriers | 790 | \$18.52 | \$19.32 |
| 43-5053 | Postal Service Mail Sorters, Processors, and Processing Machine Operators | 370 | \$15.40 | \$16.07 |
| 43-5061 | Production, Planning, and Expediting Clerks | 860 | \$17.50 | \$17.65 |
| 43-5071 | Shipping, Receiving, and Traffic Clerks | 3,390 | \$18.20 | \$21.83 |
| 43-5081 | Stock Clerks and Order Fillers | 4,090 | \$10.95 | \$9.68 |
| 43-5111 | Weighers, Measurers, Checkers, and Samplers, Recordkeeping | 440 | \$19.39 | \$20.55 |
| 43-5199 | All Other Material Recording, Scheduling, Dispatching, and Distributing Workers | 200 | \$14.21 | \$12.08 |
| 43-6011 | Executive Secretaries and Administrative Assistants | 2,840 | \$16.20 | \$15.91 |
| 43-6012 | Legal Secretaries | 480 | \$13.58 | \$13.17 |
| 43-6013 | Medical Secretaries | 240 | \$9.98 | \$9.77 |
| 43-6014 | Secretaries, Except Legal, Medical, and Executive | 3,160 | \$11.00 | \$10.52 |
| 43-9011 | Computer Operators | 210 | \$12.51 | \$11.80 |
| 43-9021 | Data Entry Keyers | 2,210 | \$11.57 | \$11.84 |
| 43-9022 | Word Processors and Typists | 260 | \$10.09 | \$10.17 |
| 43-9031 | Desktop Publishers | 50 | \$18.33 | \$17.28 |
| 43-9041 | Insurance Claims and Policy Processing Clerks | 580 | \$13.00 | \$11.66 |
| 43-9051 | Mail Clerks and Mail Machine Operators, Except Postal Service | 620 | \$9.35 | \$8.47 |
| 43-9061 | Office Clerks, General | 5,880 | \$9.68 | \$9.24 |
| 43-9071 | Office Machine Operators, Except Computer | 100 | \$10.53 | \$10.24 |
| 43-9999 | All Other Secretaries, Administrative Assistants, and Other Office Support | 590 | \$16.31 | \$15.83 |
| Farming, Fishing, and Forestry Occupations | | | | |
| 45-2011 | Agricultural Inspectors | 20 | \$19.66 | \$20.74 |
| 45-2041 | Graders and Sorters, Agricultural Products | 60 | \$11.99 | \$11.85 |
| 45-2091 | Agricultural Equipment Operators | 50 | \$15.56 | \$15.78 |
| 45-2092 | Farmworkers and Laborers, Crop, Nursery, and Greenhouse | 90 | \$7.54 | \$7.15 |
| 45-9099 | Farming, Fishing, and Forestry Workers, All Other | 10 | \$10.32 | \$10.44 |
| Construction and Extraction Occupations | | | | |
| 47-1011 | First-Line Supervisors/Managers of Construction Trades and Extraction Workers | 1,360 | \$21.06 | \$20.59 |
| 47-2021 | Brickmasons and Blockmasons | 350 | \$20.03 | \$20.28 |
| 47-2031 | Carpenters | 1,580 | \$15.85 | \$15.42 |
| 47-2044 | Tile and Marble Setters | 180 | \$16.59 | \$16.59 |



| Code | Occupational Title | Estimated Employment | Mean Wage | Median Wage |
|--|---|----------------------|-----------|-------------|
| 47-2051 | Cement Masons and Concrete Finishers | 330 | \$13.46 | \$13.08 |
| 47-2061 | Construction Laborers | 2,220 | \$10.15 | \$9.73 |
| 47-2071 | Paving, Surfacing, and Tamping Equipment Operators | 90 | \$10.95 | \$10.25 |
| 47-2073 | Operating Engineers and Other Construction Equipment Operators | 830 | \$12.89 | \$12.54 |
| 47-2081 | Drywall and Ceiling Tile Installers | 350 | \$16.44 | \$16.63 |
| 47-2082 | Tapers | 100 | \$19.28 | \$19.81 |
| 47-2111 | Electricians | 1,190 | \$18.48 | \$18.98 |
| 47-2121 | Glaziers | 50 | \$13.36 | \$12.31 |
| 47-2130 | Insulation Workers | 120 | \$13.19 | \$13.16 |
| 47-2141 | Painters, Construction and Maintenance | 760 | \$12.37 | \$11.81 |
| 47-2142 | Paperhangers | 60 | \$19.78 | \$20.00 |
| 47-2152 | Plumbers, Pipefitters, and Steamfitters | 920 | \$20.29 | \$20.12 |
| 47-2161 | Plasterers and Stucco Masons | 180 | \$15.23 | \$15.37 |
| 47-2171 | Reinforcing Iron and Rebar Workers | 10 | \$14.41 | \$14.63 |
| 47-2181 | Roofers | 220 | \$13.15 | \$13.04 |
| 47-2211 | Sheet Metal Workers | 2,140 | \$16.92 | \$16.62 |
| 47-2221 | Structural Iron and Steel Workers | 210 | \$14.87 | \$14.10 |
| 47-3011 | Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters | 100 | \$11.46 | \$11.98 |
| 47-3012 | Helpers--Carpenters | 310 | \$10.64 | \$10.34 |
| 47-3013 | Helpers--Electricians | 80 | \$9.75 | \$8.16 |
| 47-3014 | Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons | 20 | \$10.18 | \$10.13 |
| 47-3015 | Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters | 210 | \$9.30 | \$8.83 |
| 47-3016 | Helpers--Roofers | 100 | \$8.67 | \$8.57 |
| 47-3019 | Helpers, Construction Trades, All Other | 20 | \$10.36 | \$10.30 |
| 47-4011 | Construction and Building Inspectors | 240 | \$16.88 | \$17.54 |
| 47-4051 | Highway Maintenance Workers | 240 | \$10.77 | \$10.33 |
| 47-4999 | All Other Construction Trades and Related Workers | 260 | \$11.62 | \$10.42 |
| 47-5012 | Rotary Drill Operators, Oil and Gas | 50 | \$16.41 | \$16.23 |
| 47-5013 | Service Unit Operators, Oil, Gas, and Mining | 100 | \$11.46 | \$10.96 |
| Installation, Maintenance, and Repair Occupations | | | | |
| 49-1011 | First-Line Supervisors/Managers of Mechanics, Installers, and Repairers | 940 | \$21.46 | \$21.09 |
| 49-2011 | Computer, Automated Teller, and Office Machine Repairers | 340 | \$17.71 | \$16.33 |
| 49-2022 | Telecommunications Equipment Installers and Repairers, Except Line Installers | 80 | \$22.26 | \$23.58 |
| 49-2091 | Avionics Technicians | 740 | \$21.26 | \$22.41 |
| 49-2092 | Electric Motor, Power Tool, and Related Repairers | 110 | \$16.64 | \$15.90 |
| 49-2093 | Electrical and Electronics Installers and Repairers, Transportation Equipment | 1,330 | \$22.44 | \$22.11 |
| 49-2094 | Electrical and Electronics Repairers, Commercial and Industrial Equipment | 190 | \$21.09 | \$22.53 |

| Code | Occupational Title | Estimated Employment | Mean Wage | Median Wage |
|-------------------------------|--|----------------------|-----------|-------------|
| 49-2096 | Electronic Equipment Installers and Repairers, Motor Vehicles | 30 | \$9.85 | \$8.81 |
| 49-2097 | Electronic Home Entertainment Equipment Installers and Repairers | 30 | \$15.08 | \$15.80 |
| 49-2099 | All Other Electrical and Electronic Equipment Mechanics, Installers, and Repairers | 110 | \$24.77 | \$29.62 |
| 49-3011 | Aircraft Mechanics and Service Technicians | 1,820 | \$21.14 | \$21.10 |
| 49-3021 | Automotive Body and Related Repairers | 420 | \$17.54 | \$15.99 |
| 49-3022 | Automotive Glass Installers and Repairers | 60 | \$12.33 | \$12.04 |
| 49-3023 | Automotive Service Technicians and Mechanics | 1,990 | \$16.67 | \$18.08 |
| 49-3031 | Bus and Truck Mechanics and Diesel Engine Specialists | 440 | \$14.99 | \$14.80 |
| 49-3041 | Farm Equipment Mechanics | 120 | \$15.21 | \$15.52 |
| 49-3042 | Mobile Heavy Equipment Mechanics, Except Engines | 280 | \$15.64 | \$14.95 |
| 49-3051 | Motorboat Mechanics | 20 | \$11.07 | \$10.86 |
| 49-3052 | Motorcycle Mechanics | 20 | \$10.30 | \$10.80 |
| 49-3053 | Outdoor Power Equipment and Other Small Engine Mechanics | 30 | \$10.09 | \$10.06 |
| 49-3093 | Tire Repairers and Changers | 320 | \$10.35 | \$9.75 |
| 49-3099 | All Other Vehicle and Mobile Equipment Mechanics, Installers, and Repairers | 210 | \$21.40 | \$23.75 |
| 49-9012 | Control and Valve Installers and Repairers, Except Mechanical Door | 20 | \$20.24 | \$21.58 |
| 49-9021 | Heating, Air Conditioning, and Refrigeration Mechanics and Installers | 680 | \$17.44 | \$16.34 |
| 49-9031 | Home Appliance Repairers | 100 | \$13.98 | \$13.21 |
| 49-9041 | Industrial Machinery Mechanics | 250 | \$16.29 | \$16.24 |
| 49-9042 | Maintenance and Repair Workers, General | 3,540 | \$15.36 | \$13.56 |
| 49-9043 | Maintenance Workers, Machinery | 350 | \$16.82 | \$15.94 |
| 49-9044 | Millwrights | 120 | \$21.37 | \$22.55 |
| 49-9051 | Electrical Power-Line Installers and Repairers | 100 | \$21.35 | \$22.06 |
| 49-9052 | Telecommunications Line Installers and Repairers | 420 | \$23.03 | \$24.90 |
| 49-9062 | Medical Equipment Repairers | 90 | \$18.65 | \$17.78 |
| 49-9069 | Precision Instrument and Equipment Repairers, All Other | 60 | \$16.66 | \$14.00 |
| 49-9091 | Coin, Vending, and Amusement Machine Servicers and Repairers | 30 | \$10.82 | \$9.06 |
| 49-9094 | Locksmiths and Safe Repairers | 10 | \$13.53 | \$12.67 |
| 49-9097 | Signal and Track Switch Repairers | 50 | \$24.66 | \$25.27 |
| 49-9098 | Helpers--Installation, Maintenance, and Repair Workers | 130 | \$9.06 | \$8.79 |
| 49-9099 | Installation, Maintenance, and Repair Workers, All Other | 220 | \$15.31 | \$15.75 |
| Production Occupations | | | | |
| 51-1011 | First-Line Supervisors/Managers of Production and Operating Workers | 3,700 | \$24.84 | \$24.70 |
| 51-2011 | Aircraft Structure, Surfaces, Rigging, and Systems Assemblers | 5,660 | \$21.42 | \$22.64 |
| 51-2021 | Coil Winders, Tapers, and Finishers | 80 | \$13.49 | \$13.42 |
| 51-2022 | Electrical and Electronic Equipment Assemblers | 1,430 | \$13.46 | \$12.66 |
| 51-2023 | Electromechanical Equipment Assemblers | 70 | \$14.79 | \$14.49 |
| 51-2041 | Structural Metal Fabricators and Fitters | 410 | \$12.17 | \$11.92 |
| 51-2092 | Team Assemblers | 4,230 | \$9.54 | \$8.20 |



| Code | Occupational Title | Estimated Employment | Mean Wage | Median Wage |
|---------|---|----------------------|-----------|-------------|
| 51-2099 | Assemblers and Fabricators, All Other | 560 | \$10.31 | \$9.26 |
| 51-3011 | Bakers | 240 | \$8.22 | \$7.36 |
| 51-3021 | Butchers and Meat Cutters | 280 | \$12.94 | \$13.33 |
| 51-3022 | Meat, Poultry, and Fish Cutters and Trimmers | 360 | \$8.49 | \$8.23 |
| 51-3093 | Food Cooking Machine Operators and Tenders | 10 | \$10.69 | \$10.58 |
| 51-3099 | All Other Food Processing Workers | 20 | \$8.68 | \$8.44 |
| 51-4011 | Computer-Controlled Machine Tool Operators, Metal and Plastic | 2,100 | \$16.39 | \$14.94 |
| 51-4012 | Numerical Tool and Process Control Programmers | 140 | \$20.60 | \$20.88 |
| 51-4021 | Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic | 490 | \$21.02 | \$23.53 |
| 51-4022 | Forging Machine Setters, Operators, and Tenders, Metal and Plastic | 150 | \$16.85 | \$18.46 |
| 51-4023 | Rolling Machine Setters, Operators, and Tenders, Metal and Plastic | 530 | \$25.64 | \$25.78 |
| 51-4031 | Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic | 920 | \$16.62 | \$15.64 |
| 51-4032 | Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic | 340 | \$21.68 | \$23.65 |
| 51-4033 | Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic | 760 | \$16.64 | \$14.75 |
| 51-4034 | Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic | 380 | \$17.51 | \$16.48 |
| 51-4035 | Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic | 290 | \$22.04 | \$23.65 |
| 51-4041 | Machinists | 1,000 | \$16.70 | \$15.11 |
| 51-4051 | Metal-Refining Furnace Operators and Tenders | 10 | \$13.85 | \$13.79 |
| 51-4052 | Pourers and Casters, Metal | 20 | \$11.47 | \$11.65 |
| 51-4062 | Patternmakers, Metal and Plastic | 80 | \$19.37 | \$20.06 |
| 51-4071 | Foundry Mold and Coremakers | 50 | \$10.75 | \$10.61 |
| 51-4072 | Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic | 150 | \$11.12 | \$10.64 |
| 51-4081 | Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic | 200 | \$12.62 | \$10.80 |
| 51-4111 | Tool and Die Makers | 1,360 | \$23.58 | \$24.34 |
| 51-4121 | Welders, Cutters, Solderers, and Brazers | 1,510 | \$15.54 | \$13.91 |
| 51-4122 | Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders | 230 | \$21.86 | \$23.98 |
| 51-4191 | Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic | 220 | \$16.85 | \$14.97 |
| 51-4193 | Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic | 240 | \$11.50 | \$10.68 |
| 51-4194 | Tool Grinders, Filers, and Sharpeners | 150 | \$20.52 | \$22.76 |
| 51-4199 | Metal Workers and Plastic Workers, All Other | 970 | \$20.73 | \$22.48 |
| 51-5011 | Bindery Workers | 290 | \$10.13 | \$8.25 |

| Code | Occupational Title | Estimated Employment | Mean Wage | Median Wage |
|---------|---|----------------------|-----------|-------------|
| 51-5012 | Bookbinders | 50 | \$19.54 | \$20.11 |
| 51-5021 | Job Printers | 20 | \$12.11 | \$11.86 |
| 51-5022 | Prepress Technicians and Workers | 310 | \$15.87 | \$16.38 |
| 51-5023 | Printing Machine Operators | 680 | \$14.41 | \$13.11 |
| 51-6011 | Laundry and Dry-Cleaning Workers | 290 | \$7.41 | \$7.41 |
| 51-6021 | Pressers, Textile, Garment, and Related Materials | 180 | \$7.34 | \$7.55 |
| 51-6031 | Sewing Machine Operators | 250 | \$8.66 | \$8.00 |
| 51-6041 | Shoe and Leather Workers and Repairers | 40 | \$9.22 | \$9.28 |
| 51-6051 | Sewers, Hand | 40 | \$8.55 | \$8.71 |
| 51-6052 | Tailors, Dressmakers, and Custom Sewers | 70 | \$9.54 | \$9.52 |
| 51-6064 | Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders | 70 | \$12.73 | \$12.41 |
| 51-6091 | Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers | 50 | \$13.65 | \$13.44 |
| 51-6093 | Upholsterers | 30 | \$13.75 | \$13.05 |
| 51-7011 | Cabinetmakers and Bench Carpenters | 160 | \$12.13 | \$11.29 |
| 51-7021 | Furniture Finishers | 20 | \$14.08 | \$12.96 |
| 51-7031 | Model Makers, Wood | 170 | \$13.30 | \$12.92 |
| 51-7041 | Sawing Machine Setters, Operators, and Tenders, Wood | 20 | \$9.25 | \$9.67 |
| 51-7042 | Woodworking Machine Setters, Operators, and Tenders, Except Sawing | 220 | \$8.85 | \$8.49 |
| 51-7099 | Woodworkers, All Other | 30 | \$9.34 | \$9.47 |
| 51-8012 | Power Distributors and Dispatchers | 20 | \$23.96 | \$25.32 |
| 51-8013 | Power Plant Operators | 150 | \$14.92 | \$13.07 |
| 51-8021 | Stationary Engineers and Boiler Operators | 180 | \$23.37 | \$22.96 |
| 51-8031 | Water and Liquid Waste Treatment Plant and System Operators | 130 | \$16.21 | \$15.48 |
| 51-8091 | Chemical Plant and System Operators | 180 | \$18.04 | \$18.87 |
| 51-8092 | Gas Plant Operators | 10 | \$21.37 | \$21.16 |
| 51-8093 | Petroleum Pump System Operators, Refinery Operators, and Gaugers | 150 | \$18.74 | \$19.28 |
| 51-8099 | Plant and System Operators, All Other | 60 | \$24.41 | \$25.08 |
| 51-9011 | Chemical Equipment Operators and Tenders | 290 | \$19.77 | \$20.49 |
| 51-9012 | Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders | 50 | \$12.20 | \$12.58 |
| 51-9021 | Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders | 80 | \$10.97 | \$10.89 |
| 51-9022 | Grinding and Polishing Workers, Hand | 170 | \$21.57 | \$24.03 |
| 51-9023 | Mixing and Blending Machine Setters, Operators, and Tenders | 200 | \$14.53 | \$13.83 |
| 51-9031 | Cutters and Trimmers, Hand | 110 | \$9.78 | \$9.91 |
| 51-9032 | Cutting and Slicing Machine Setters, Operators, and Tenders | 230 | \$10.77 | \$10.36 |
| 51-9041 | Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders | 20 | \$13.05 | \$14.40 |



| Code | Occupational Title | Estimated Employment | Mean Wage | Median Wage |
|---|---|----------------------|-----------|-------------|
| 51-9051 | Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders | NA | \$12.47 | \$12.58 |
| 51-9061 | Inspectors, Testers, Sorters, Samplers, and Weighers | 1,840 | \$17.79 | \$18.47 |
| 51-9071 | Jewelers and Precious Stone and Metal Workers | 10 | \$14.50 | \$14.51 |
| 51-9081 | Dental Laboratory Technicians | 170 | \$13.33 | \$13.47 |
| 51-9083 | Ophthalmic Laboratory Technicians | 30 | \$11.36 | \$10.72 |
| 51-9111 | Packaging and Filling Machine Operators and Tenders | 710 | \$13.37 | \$13.94 |
| 51-9121 | Coating, Painting, and Spraying Machine Setters, Operators, and Tenders | 470 | \$18.11 | \$18.82 |
| 51-9122 | Painters, Transportation Equipment | 510 | \$19.73 | \$20.37 |
| 51-9123 | Painting, Coating, and Decorating Workers | 30 | \$10.23 | \$10.35 |
| 51-9131 | Photographic Process Workers | 20 | \$9.04 | \$8.54 |
| 51-9132 | Photographic Processing Machine Operators | 110 | \$14.02 | \$14.71 |
| 51-9191 | Cementing and Gluing Machine Operators and Tenders | 150 | \$16.14 | \$11.22 |
| 51-9195 | Molders, Shapers, and Casters, Except Metal and Plastic | 30 | \$10.68 | \$11.35 |
| 51-9196 | Paper Goods Machine Setters, Operators, and Tenders | 50 | \$11.90 | \$12.12 |
| 51-9198 | Helpers--Production Workers | 930 | \$10.54 | \$10.13 |
| 51-9199 | Production Workers, All Other | 480 | \$11.92 | \$9.91 |
| Transportation and Material Moving Occupations | | | | |
| 53-1011 | Aircraft Cargo Handling Supervisors | 20 | \$18.60 | \$18.10 |
| 53-1021 | First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand | 240 | \$15.58 | \$15.41 |
| 53-1031 | First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle Operators | 450 | \$18.57 | \$15.90 |
| 53-2021 | Air Traffic Controllers | 80 | \$33.03 | \$33.99 |
| 53-3021 | Bus Drivers, Transit and Intercity | 450 | \$11.04 | \$11.54 |
| 53-3022 | Bus Drivers, School | 1,400 | \$9.99 | \$9.95 |
| 53-3031 | Driver/Sales Workers | 1,050 | \$11.86 | \$10.20 |
| 53-3032 | Truck Drivers, Heavy and Tractor-Trailer | 3,040 | \$15.70 | \$15.29 |
| 53-3033 | Truck Drivers, Light or Delivery Services | 2,410 | \$9.91 | \$8.28 |
| 53-3041 | Taxi Drivers and Chauffeurs | 100 | \$7.63 | \$7.62 |
| 53-3099 | Motor Vehicle Operators, All Other | 180 | \$6.94 | \$6.57 |
| 53-6021 | Parking Lot Attendants | 190 | \$7.88 | \$7.16 |
| 53-6031 | Service Station Attendants | 560 | \$7.98 | \$7.94 |
| 53-6051 | Transportation Inspectors | 1,120 | \$25.39 | \$25.45 |
| 53-6099 | Transportation Workers, All Other | 70 | \$10.74 | \$8.52 |
| 53-7011 | Conveyor Operators and Tenders | 1,000 | \$10.47 | \$10.36 |
| 53-7021 | Crane and Tower Operators | 160 | \$23.56 | \$24.62 |
| 53-7032 | Excavating and Loading Machine and Dragline Operators | 150 | \$13.97 | \$13.64 |
| 53-7041 | Hoist and Winch Operators | NA | \$12.79 | \$11.16 |
| 53-7051 | Industrial Truck and Tractor Operators | 760 | \$12.36 | \$12.43 |
| 53-7061 | Cleaners of Vehicles and Equipment | 390 | \$8.59 | \$8.43 |
| 53-7062 | Laborers and Freight, Stock, and Material Movers, Hand | 2,840 | \$8.72 | \$8.33 |

| Code | Occupational Title | Estimated Employment | Mean Wage | Median Wage |
|---------|------------------------------------|----------------------|-----------|-------------|
| 53-7063 | Machine Feeders and Offbearers | 280 | \$10.12 | \$9.41 |
| 53-7064 | Packers and Packagers, Hand | 1,730 | \$7.46 | \$7.20 |
| 53-7073 | Wellhead Pumpers | 60 | \$12.95 | \$12.72 |
| 53-7121 | Tank Car, Truck, and Ship Loaders | 30 | \$13.03 | \$11.44 |
| 53-7199 | Material Moving Workers, All Other | 210 | \$11.89 | \$9.70 |

NA - Not Available



Local Area IV
Average Annual Wage For Selected Occupations

| Code | Occupational Title | Estimated Employment | Annual Wage |
|---------|--|----------------------|-------------|
| 11-9032 | Education Administrators, Elementary and Secondary School | 350 | \$60,853 |
| 25-1052 | Chemistry Teachers, Postsecondary | 10 | \$36,849 |
| 25-1066 | Psychology Teachers, Postsecondary | 20 | \$25,671 |
| 25-1072 | Nursing Instructors and Teachers, Postsecondary | 20 | \$32,762 |
| 25-1081 | Education Teachers, Postsecondary | 30 | \$34,271 |
| 25-1121 | Art, Drama, and Music Teachers, Postsecondary | 50 | \$31,764 |
| 25-1122 | Communications Teachers, Postsecondary | 10 | \$30,036 |
| 25-1125 | History Teachers, Postsecondary | 10 | \$30,036 |
| 25-1191 | Graduate Teaching Assistants | 180 | \$30,451 |
| 25-1199 | Postsecondary Teachers, All Other | 690 | \$28,641 |
| 25-2012 | Kindergarten Teachers, Except Special Education | 270 | \$35,632 |
| 25-2021 | Elementary School Teachers, Except Special Education | 3,250 | \$36,168 |
| 25-2022 | Middle School Teachers, Except Special and Vocational Education | 1,470 | \$36,479 |
| 25-2031 | Secondary School Teachers, Except Special and Vocational Education | 2,380 | \$36,983 |
| 25-2032 | Vocational Education Teachers, Secondary School | 170 | \$38,265 |
| 25-2041 | Special Education Teachers, Preschool, Kindergarten, and Elementary School | 490 | \$36,313 |
| 25-2042 | Special Education Teachers, Middle School | 120 | \$36,599 |
| 25-2043 | Special Education Teachers, Secondary School | 310 | \$37,761 |
| 25-3999 | All Other Teachers, Primary, Secondary, and Adult | 910 | \$23,795 |
| 25-9041 | Teacher Assistants | 3,040 | \$17,372 |
| 27-2012 | Producers and Directors | 40 | \$39,633 |
| 27-2021 | Athletes and Sports Competitors | 20 | \$47,510 |
| 27-2022 | Coaches and Scouts | 350 | \$19,724 |
| 27-2042 | Musicians and Singers | 20 | \$21,400 |
| 29-9091 | Athletic Trainers | 40 | \$32,849 |
| 53-2011 | Airline Pilots, Copilots, and Flight Engineers | 220 | \$55,876 |

NA - Not Available